Volume 162 No. 9

Oil, Paint and Drug Reporter

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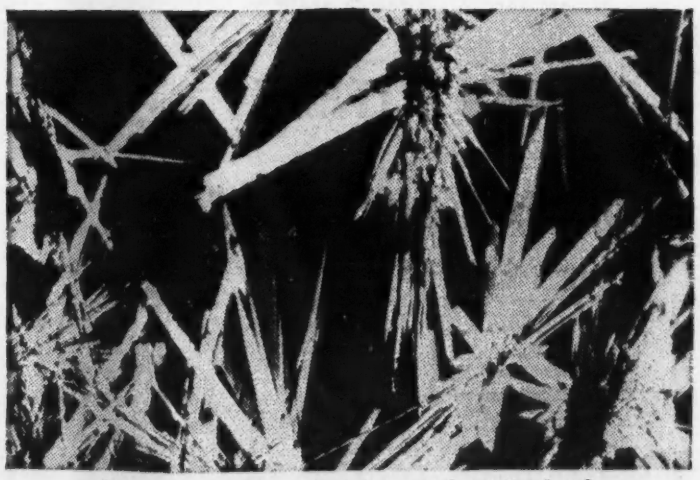

Photomicrograph of vitamin A palmitate crystals, greatly enlarged.

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Oil, Paint and Drug Reporter

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Oil Cartel Agreement By 7 Concerns Alleged

Five American and two foreign oil companies were charged last week with control of the production and distribution of most of the free world's petroleum. The international oil cartel allegations were contained in a long secret report prepared by the Federal Trade Commission and made public August 25 by the senate small business committee's subcommittee on monopoly.

Standard Oil Company (New Jersey), Standard Oil Company of California, Socony-Vacuum Oil Company, Gulf Oil Corporation, and the Texas Company were the American concerns cited. Anglo-Iranian Oil Company, owned by British interests with the British government owning a majority of the stock, and the Royal Dutch-Shell group, owned by British and Dutch interests, were the two foreign firms.

Declaring flatly that an international oil cartel exists, the FTC report stated, "These seven companies operate through layers of jointly owned subsidiaries and affiliated companies. Through this corporate complex of companies, they control not only most of the oil but also most of the world's foreign petroleum refining, cracking, transportation, and marketing facilities."

The 378-page report, which had been kept under wraps for two years until its release last week, went on to buttress its statement with a variety of statistics on the free world's petroleum reserves, crude oil production, refining capacity and tanker fleet, all of which purported to show the domination of the seven companies.

The cartel, it was alleged, began in

—Continued on page 78

RFC New Tin Office Formed Under McKinnon

The Reconstruction Finance Corporation has established a new office of tin and fiber and has named as its director Wylie F. McKinnon, who has been chief of RFC's tin division, since that unit was created four years ago.

The new office will be responsible for RFC's purchase and sale of tin ore, concentrates, and refined tin, for the operation of the agency's tin smelter at Texas City, Tex., and for RFC's abaca program, which provides for the development and production of that fiber in the Western Hemisphere. Edward P. Chapman has been named chief of the tin division in the office of tin and fiber and Stanley B. Hanes has been made chief of its fiber division. Edward A. Harris will serve as consultant to the office director.

Fatty Acid Production Sharply Lower in July

Fatty acid production in July totaled some 23,000,000 pounds, as compared to 32,000,000 pounds in the previous month, according to figures released by the fatty acid division of the Association of American Soap and Glycerine Producers, Inc.

Shipments and other dispositions also declined, dropping to 25,000,000 pounds from the previous month's 30,000,000 pound level. However, it was said that these declines reflected a seasonal pattern which has also characterized the industry in previous years. Total stocks at the end of July were at a 41,000,000 pound level, about 2,000,000 pounds below the previous end-of-month stocks.

Pricing Standards Revised For Sub-Ceiling Products

Supplemental standards for the suspension of price controls on manufactured goods selling well below the ceilings, and revised standards for the decontrol of items unimportant to the cost of living or the continued control of which is not feasible were announced August 29 by the Office of Price Stabilization. At the same time the agency made public the first list of such items to be affected under the new rules.

The standards recognize that economic conditions require firm price controls in pressure areas but permit their suspension in "soft market" areas. They also make provision for special problems which are not involved in suspension of controls on primary commodities but which do arise in connection with manufactured goods.

In the matter of decontrols the new standards represent a broadening of the base for exemption from price control. In general, they call for decontrol:—(1) Where control makes virtually no contribution to the stabilization program—where materials or services are insignificant in either the cost of living or the cost of doing business, or (2) where a minor contribution to the stabilization program is outweighed by unusual disadvantages of control, such a disproportionate administrative burdens on business or on OPS.

US Urged to Cut Tariffs Again

Another round of tariff cutting by the United States, to make possible increased imports from western Europe and other free nations of the world, was urged last week by William H. Draper, jr., United States special representative in Europe.

In a report to the President covering his first six months in office, Mr. Draper pointed out that by greatly increasing imports this country can help the free world close its existing "dollar gap" and thus earn its own way. He urged also that the United States seek all possible means for promoting additional private investment abroad, although he recognized the difficulties placed in the way of this objective by the political instability and existing tensions of the world.

The American people are being taxed to pay for the huge excess volume of raw materials and manufactured goods being shipped to Europe, he noted. This country must substantially increase its imports from Europe and from other parts of the world, he said, if it expects to keep up its present volume of exports and at the same time get paid for it.

Among methods he suggested for stimulating greater imports were reaffirmation and extension of the recriprocal trade agreements program, enactment of proposed legislation for simplified customs procedures and a progressive lowering of other import restrictions and duties.

Mr. Draper emphasized these other major developments:—

1. Western European nations have made significant advances in political, economic and military integration.

2. Defense budgets of the NATO countries have more than doubled since the Korean war.

3. Offshore procurement contracts placed by United States armed services during the past six months totaled $683,800,000 to buy European-made defense equipment for NATO forces, while a similar offshore program for the fiscal year 1953 is now being planned.

4. More production at competitive prices and better markets are essential to Europe's further economic development; present European markets no longer adequately serve the needs of European producers.

NPA No. 2 Post Goes To Richard McDonald

The National Production Authority has named Richard A. McDonald to its No. 2 post. Mr. McDonald, who succeeds Franz T. Stone, will serve as acting deputy administrator until Mr. Stone's resignation becomes effective shortly after today.

Mr. McDonald, who has been serving as assistant administrator in charge of the industrial and agricultural equipment bureau since February, is being succeeded in his former post by Edwin C. Garwood, former deputy assistant administrator, who has been named acting chief of the bureau. John F. Skillman has been named acting deputy assistant administrator of the bureau in place of Mr. Garwood.

Chemical Easement Seen in New DPA List; 27 Materials Dropped

A general softening in supplies of most chemicals over the past several weeks was reflected last week in the eighth "List of Basic Materials and Alternates" issued by the Defense Production Administration, which dropped twenty-seven chemicals from the scarcity list and reshuffled thirty-two others among its three supply groupings.

Easing of the supply conditions in a number of other directions also was indicated by the agency, the most notable being the shifting of aluminum and copper from the group 1 list of materials in "short supply" to the group 2 list of materials in approximate balance. Magnesium was similarly shifted.

Among the fifty-nine changes in the chemicals supply position, four materials —butadiene, monochlorotrifluorethylene, parachlorophenol and sulphuric acid— were moved from group 1, the scarce items category, to group 2, those in approximate balance. The sulphuric acid change was made, DPA said, despite some shortages of the material in the Gulf Coast states and in Arkansas, Georgia, South Carolina and Tennessee. Shifted from group 1 to group 3, or items that should be used as substitutes for groups 1 and 2 items, were dihydroxydichlorodiphenylmethane, naphthalene and toluene.

Shifted From Group 2 to 3

Group 2 items now appearing in group 3 are:—Alkyd resins; benzene; carbon tetrachloride; chloroform; ethanolamines; ethylene dichloride; ethyleneglycol; ethylene oxide; isopropyl alcohol; maleic anhydride; melamine; melamine resins; naphthenic acid; paradichlorobenzene; paranitrophenol; perchloroethylene; phenolic resins; phosphate plasticizers; phthalic anhydride; polyethylene; polyethylene resins; polyester resins; sebacic acid (refined); trichloroethylene, and xylene.

Removed from the list were:—Acetic acid; amyl acetate; amyl alcohol; borax; boric acid; carbon black; formaldehyde; iodine; lead oxide, red; litharge; methyl chloride; naphtha; orthophosphoric acid; pentaerthyritol; phenol; phosphorus; propionic acid; quinoline; resorcinol; rosin; shellac; sodium hydrosulphite; styrene; succinic acid; sulphur chloride; tall oil, and turpentine.

Commenting on the outlook for controlled materials, DPA administrator Henry H. Fowler pointed out an approximate loss of two and one-half months of steel production since March, 1952. "It is expected," he said, "that under existing controls and barring further production delays, the industry will return, during the first quarter of 1953, to approximately the situation existing prior to the strike in most of the steel products. This assumes, however, the scrap and ore supplies will not adversely affect production prior to the second quarter," he continued.

Mr. Fowler also said that copper supplies have improved to the extent that most prohibited uses are permitted now and allotment percentages have been in-

—Continued on page 78

Butadiene Offered by RFC Today at 18 Cents a Pound

Butadiene produced by the government for its synthetic rubber program and now excess to its needs because of the cutbacks in synthetic rubber production is being offered for commercial purchase by the Reconstruction Finance Corporation, beginning today.

The material will be sold at 18 cents a pound, f.o.b. Gulf ports. This compares with a price of 12½ cents a pound for privately produced butadiene of the petroleum industry. Very little of this material is available, however, except to those holding long term contracts which were negotiated some time ago when costs were lower.

Heretofore small quantities of alcohol-based butadiene have been available to the commercial trade from RFC at the almost prohibitive price of 39 cents a pound, but this is being ended by the government's closing down its alcohol-butadiene plants. The last production unit was shut down last Friday.

The 18 cents per pound price being asked by RFC, while higher than the contract price of private producers, is not considered by officials to be out of line with present market conditions in view of the higher costs that have occurred since the lower-priced material was first contracted for.

The Defense Production Administration has urged industry to expand production of butadiene to 162,000,000 pounds by 1954 and it is thought that the price being sought by RFC will serve as an inducement to private producers to reach the production goal.

Woods Succeeds Arnall Today as Pricing Chief

The resignation of Ellis Arnall as director of the Office of Price Stabilization, which had been on the President's desk for several weeks, was accepted August 26 by President Truman and Tighe E. Woods, rent stabilizer, was appointed his successor. Mr. Woods moves over to the new post today.

Mr. Arnall, who came out of Georgia politics to become director of OPS upon the resignation of Michael DiSalle a year ago, plans to return to his home state. Mr. Woods, who succeeds him, has a long record of real estate and rent control activities, starting immediately upon his graduation from college.

Mr. Woods's first association with government work in this field was in 1942, when he was named an examiner in the Chicago rent office of the old Office of Price Administration. After spending the last two years of the war in the navy, he was appointed rent director of Chicago in 1946 and was regional director of OPA in 1947.

When OPA went out of the picture later in the year, Mr. Woods was made deputy housing expediter, and in December of the same year succeeded Frank Creedon as housing expediter. He was named to the post of director of the Office of Rent Stabilization in August, 1951.

Chlorophyll Products Placed Under Higher Duty Category

Notice has been given to the collectors of customs by the Commissioner of Customs, Frank Dow, to begin the collection of a duty of 12½ percent ad valorem on chlorophyll and chlorophyll derivatives imported into the United States thirty days after the notice is published in weekly issue of *Treasury Decisions*.

The notice follows a reclassification of this product from an item dutiable at 7½ percent ad valorem under paragraph 38 of the tariff act of 1930 as an article of vegetable origin used for dyeing, coloring, staining, or tanning, to an item dutiable at 12½ percent under paragraph 5 as a chemical compound.

DPA Issues Additional Certificates of Necessity

Certificates of necessity for accelerated tax amortization of new or expanded facilities were issued to several projects in the chemical area during the period August 14 to 20 by the Defense Production Administration, it was announced August 27. They were as follows, listed by product, applicant company, plant location, amount of cost certified and the percentage allowed for rapid write-off:—

Antibiotics — Wyeth Pharmaceuticals, Inc., West Chester Pa., $1,568,707 certified on one part of the project and 30 percent allowed, and $3,270,232 certified on another part and 60 percent allowed.

Chlorine — Dolmite Reduction Corporation, Ada, Okla., $7,045,960 certified on one part of the project and 45 percent allowed, and $5,495,100 certified on another part and 30 percent allowed.

Niacin—Merck and Co., Danville, Pa., $714,730 certified and 40 percent allowed.

Phthalate esters — Allied Chemical & Dye Corporation, Philadelphia, Pa., $818,400 certified and 45 percent allowed; Monsanto Chemical Company, Everett, Mass., $2,207,800 certified and 45 percent allowed.

Sulphuric acid — Eagle-Picher Company, Galena, Kan., $3,565,529 certified and 70 percent allowed; Sullivan Mining Company, Shoshone County, Idaho, $4,352 370 certified and 70 percent allowed.

Tributyl phosphate — Commercial Solvents Corporation, Terra Haute, Ind., $232,900 certified and 45 percent allowed.

Triecresyl phosphate — Monsanto, St. Louis, Mo., $730,000 certified and 45 percent allowed.

Soybean Trade Seeks Ample Feeds Ceilings

A group of soybean processors, in conference with officials of the Office of Price Stabilization last week, urged the agency to give serious consideration to the effect on delivery contracts of its forthcoming order on soybean feed mixes. They warned that unless the ceilings are sufficiently high to enable them to operate without a loss they may be forced to cancel their contracts.

OPS announced August 22 that because of a growing practice among sellers of oilseed feeds of adding other ingredients in small quantities so they can establish a high ceiling on the end product, it proposes to issue regulations in the early future that will limit the ceilings on oilseed feeds mixes to about the ceiling of the major ingredients.

Ceiling prices for cottonseed meal and linseed meal are now in effect and it is proposed to issue amendments to include the mixes made from these ingredients. New ceilings for soybean meal were originally scheduled for this week, to be followed by separate provisions limiting the ceilings on soybean feed mixes. Because of the many protests against the agency's plans, some delay in issuance of the regulations may be expected.

The conferences of the soybean processors last week were held with Ellis Arnall, who has now retired as head of OPS, and turned his duties over to Tighe E. Woods, former director of rent stabilization. It was reported that Mr. Arnall viewed the processors' complaints with much sympathy and believed that they would be met in the forthcoming regulations but since he no longer would be with the agency after September 1, he could not predict what form the relief would take.

The processors asked that in drafting the regulations they be made applicable only to delivery contracts negotiated after a specific date. Mr. Arnall indicated that this could be done if it did not defeat the purposes of the declared policies to hold down ceilings on the mixes, and asked the processors to supply OPS with full information on their contracts so that the agency can judge the probable effect of an exemption.

US, Venezuela Sign New Tariff Accord

A supplemental trade agreement granting new concessions in tariff treatment of certain products entering into the trade of the two countries was signed August 28 by the United States and Venezuela. The agreement becomes effective thirty days after an exchange of proclamations by the two governments which will be done as soon as the new documents can be prepared.

The point at issue in the negotiations of the new agreement was with respect to petroleum imports into the United States. Under the old pact, imports of crude petroleum, topped crude and residual fuel oil not exceeding 5 percent of the American refinery throughout were subject to an import tax of 10½ cents a barrel; imports exceeding the 5 percent quota paid a tax double this amount, or 21 cents a barrel.

In the new agreement, the United States has abolished the quota arrangement and has cut its import tax in half on crude petroleum, topped crude and residual fuel oil testing less than 25 degrees API to 5¼ cents a barrel, leaving the rate at 10½ cents a barrel on imports testing 25 degrees or above. The bulk of the imports in the past have been of the higher rating.

In return, Venezuela broadened its list of products imported from the United States on which it granted concessions to cover about 60 percent of the total trade, as against 39 percent in the earlier pact.

Urea Production Process Rights Acquired by Vulcan

Vulcan Engineering Division, Cincinnati, Ohio, has acquired exclusive American and Canadian rights for the construction of plants for the production of synthetic urea by the Swiss Inventa process. Commercial scale manufacture of urea by the Inventa process has been carried on in Switzerland since early 1949, with crystalline urea of plastics and pharmaceutical grade as the product.

Vulcan has also acquired American and Canadian rights to Inventa processes for the production of synthetic methanol and ammonia and formaldehyde. The Inventa processes were developed by Inventa's affiliated company, Holzverzuckerungs A. G. (Hovag), of Ems, Switzerland, and all rights have been transferred by Hovag to Inventa.

Barrett Division President

T. J. Kinsella, who has been executive vice-president in charge of the Barrett Division of Allied Chemical & Dye Corporation, New York, has been named president of the division, effective today. Mr. Kinsella came to Barrett in January, 1947. From 1941 to 1947, he served as price executive of the industrial machinery branch in the old Office of Price Administration, as well as OPA representative on the War Procurement Policy Board.

Pan-American Sulphur Co. Names Townsend Vice-Pres.

J. Leonard Townsend has resigned as solicitor of the Federal Reserve Board and has been named vice-president and director of the Pan-American Sulphur Company, with headquarters at Dallas, Tex. Mr. Townsend's resignation from the board became effective August 31. The present chairman of the board of the company is J. R. Parten, who is also chairman of the board of the Federal Reserve Bank of Dallas.

Drum Reconditioners Want Ceiling Increase

The used steel drum industry has asked the Office of Price Stabilization for an increase in the ceilings on used drums so as to ease the squeeze on profits of the industry resulting from increased labor, material and freight costs.

At a meeting of the industry advisory committee with OPS officials August 26, it was suggested by the industry that if and when ceilings for new drums are increased that a proportionate increase be allowed in the ceilings for reconditioned drums.

Ceilings on used drums are now determined under CPR 36, issued by OPS May 11, 1951. OPS officials told the committee that the only method for obtaining ceiling price adjustments presently available to the industry would be under the agency's industry earnings standard. This standard provides that an industry is entitled to higher ceilings if it can show that its current earnings have dropped below 85 percent of the average earnings of the three best years of 1946-49.

The industry's big concern just now is with a recent freight classification requirement affecting the railroad freight shipment of used empty drums which will increase the cost of these shipments as much as 25 to 50 cents a drum. This increase is in addition to the recent general increase of 15 percent in freight rates. The committee asked that OPS intervene with the industry in its application before the Interstate Commerce Commission for a change in this classification requirement.

In order to apply the used drum freight rate, the new classification schedule re-

—*Continued on page 79*

Powell Elects Director

John Powell Chemical Company, New York, has elected Harold C. Davies, president of Calabama Chemical Company, to membership on its board of directors. Calabama's production of DDT and other chlorinated compounds is further processed by Powell Chemical and marketed through the John Powell organization.

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Price Index Rises

Reversing its trend of the recent past, the OPD price index rose 0.50 point last week. Oils, fats and waxes, in addition to essential oils, were primarily responsible for the upturn. In the essential oils market, chamomile, cajeput, dillweed, lavandin and natural sassafras oils were up in price. Declines in this market included Dalmatian sage and East and West Indian nutmeg oils. Advances in corn, cottonseed, peanut and tung oils featured the oils, fats and waxes section. Also up in this market were crude beeswax and peanut meal.

Textile and leather chemicals were without price activity. Unchanged pricewise were coal chemicals, heavy chemicals, protective coatings materials and petroleum derivatives. The price trend in agricultural chemicals was upward on the whole. There were advances in dried blood and tankage, but benzenehexachloride was reduced. Drugs and fine chemicals were largely unchanged, the sole item reduced being feed grade blackstrap molasses. Botanicals were up slightly, with advances in a variety of items, among which were cocillana bark, Alexandrian senna leaves, white pepper on spot and French marjoram. Madagascar clove and bleached cardamom were among the items reduced.

Except for thirty-nine changes in botanicals listed on page 63, price changes during the past week were as follows (the numbers in parentheses after changes indicate the pages on which the market reports will be found):—

Prices Advanced

Acid, capric, ½c. per lb. (72).
Caprylic, ½c. per lb.
Lauric, 90%, 2c. per lb.
Linseed, 1c. per lb.
Myristic, ½c. per lb.
Blood, dried, 50c. per unit of ammonia (44).
Grease, yellow, ¼c. per lb. (72).
Oil, cajeput, USP, 30c. per lb. (65).
technical, 25c. per lb.
Chamomile, $25 per lb. (65).
Corn, crude, ½c. per lb. (72).
ref., ¾c. per lb.
Cottonseed, crude, ¼c. per lb. (72).
foots, 95%, ¼c. per lb.
ref., ¼c. per lb.
Dillweed, 10c. per lb. (65).
Eucalyptus, 70-75%, 10c. per lb. (65).
80-85%, 15c. per lb.
Fish, ref., ½c. per lb. (72).
Lavandin, 30c. per lb. (65).
Linseed, 1c. per lb. (72).
Menhaden, crude, ½c. per lb. (72).
Oiticica, ½c. per lb. (72).
Olive, 25c. to 30c. per gal. (72).
Peanut, crude, ½c. per lb. (72).
ref., ½c. per lb.
Pimento berry, 5c. per lb. (65).
Sassafras, natural, 10c. per lb. (65).
Soybean, crude, ½c. per lb. (72).
ref., alkali, ½c. per lb.
clarif., ½c. per lb.
salad, ¼c. per lb.
Tung, ½c. per lb. (72).
Peanut feed, $8 per ton (72).
Tankage, 50c. per unit of ammonia (44).
Wax, bees. crude, Afr., 1c. per lb. (72).
Cent. Am., 2c. per lb.

Prices Reduced

BHC dry dust, .015c. per gamma unit (44).
wet dust, .045c. per gamma unit.
DDT, 5c. per lb. (44).
Lard, ¼c. per lb. (72).
Molasses, blackstrap, feed grade, ½c. per gal. (53).
Oil, coconut, crude, Pac. coast, ¼c. per lb. (72).
N. Y., ½c. per lb.
Lime, Mexican, distilled, 10c. per lb. (65).
Nutmeg, East Indian, 40c. per lb. (65).
West Indian, 10c. per lb.
Sage, Dalmatian, 25c. per lb. (65).
Wax, carnauba, No. 3, ref., 1c. per lb. (72).

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100=1949 average)

August 20, 1952	August 22, 1952	August 31, 1951
109.36	108.86	116.06

Diamond Alkali Sets Up Two Export Subsidiaries

Diamond Alkali Company, Cleveland, Ohio, has formed two new subsidiary companies to handle its export sales. The new concerns, both incorporated in Delaware, begin operations today. Diamond Alkali Inter-American Corporation will be the sales outlet for Diamond chemicals in Latin American and other countries in the Western Hemisphere outside the United States. Diamond Alkali International, Inc., will serve all other areas of the world. S. S. Savage has been elected president of the new export companies, both of which will have their headquarters in New York.

Dodge & Olcott Bought By Fritzsche Brothers

National Distillers Products Corporation, New York, late Friday announced that it has entered into an agreement with Fritzsche Brothers, Inc., New York, covering the sale of the former's wholly-owned subsidiary, Dodge & Olcott, Inc. Details on the transaction, which had been long rumored in the trade, were lacking as OPD went to press.

Nat'l Petroleum Ass'n Sets Meeting Agenda

The National Petroleum Association has announced the program for its fiftieth annual meeting, which will be held September 10 to 12 at the Traymore hotel, Atlantic City, N. J.

The first general session, scheduled for the afternoon of September 10, will commence with a welcome address by Earle M. Craig, president of the association and chairman of the board of Freedom-Valvoline Oil Company. T. O. Yntema, vice-president of finance for the Ford Motor Company, will speak on "FreeMarkets Mean Free Men," and H. A. Logan, president of the United Refining Company, will preside at a session to be called the "Old Timers' Hour." Following this there will be a presentation of the history of the association by Donald C. O'Hara, associate counsel of the organization.

On the afternoon of September 11, A. W. Scott, president of the Wolf's Head Oil Refining Company, will preside at the second general session. Thomas F. Patton, vice-president and general counsel of the Republic Steel Corporation, will speak on "The Aftermath of the Steel Strike." Addresses of greetings will be made by Frank M. Porter, president of the American Petroleum Institute, and R. L. Tollett, president of the Western Petroleum Refiners Association. The response, on behalf of NPA, will be made by Fayette B. Dow, its general counsel. Following this there will be the presentation of a motion picture sponsored by the Oil Industry Information Committee, entitled "Crossroads, U.S.A."

Group meetings are scheduled for the morning of September 9, with discussions slated by API's central committee on railroad transportation and the planning subcommittee of the Oil Industry Information Committee. Prior to the first general session, on the morning of the tenth, there will be three other group meetings—API's lubrication committee, the oil information planners, and NPA's board of trustees.

The morning of the eleventh will see group meetings by the department of traffic and transportation and a joint session by the department of manufacture and department of standards and tests. The annual banquet is programmed for the evening of that day, while the annual breakfast party will be held the morning of the twelfth.

Celanese Names Michel Director of Purchases

Henry R. Michel has been named director of purchases of Celanese Corporation of America, New York. He assumes all the duties formerly performed by F. W. Paffen, whose full time is now required by procurement activities for Celanese Central, S. A., recently established global organization of the company. Mr. Michel had been with Westinghouse Electric Corporation since 1920, and at the time of his resignation was assistant to the vice-president in charge of purchasing.

P.A.'s-Eye View of Business

Composite view, August 31, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents.

Settlement of the steel strike, resumption of operations after plant vacations and the usual seasonal pickup, in that order, are responsible for a reversal of the recessional trend of the past eighteen months. In August, orders have taken a sharp rise and production shows a substantial increase after a slow summer. The gap between incoming orders and outgoing production scheduled is closed for the first time since March of 1951. That this change may be temporary is indicated in purchasing agents' reports that much of the new business is in orders held back by the steel strike, and the short-range deliveries on these orders.

Industries dependent on steel will continue to feel the depressing effects of the strike, as sparce and unbalanced inventories are consumed and replacements are delayed. A majority, 58 percent, remembering the quick recovery of the steel mills from previous work stoppages, and considering the new capacities now producing and coming into production, estimate that schedule difficulties may be well ironed out by the end of the year, assuming there are no new strikes affecting the steel industry. Contrary to that opinion is a substantial minority, 42 percent, who forecast unbalance and shortages into the second quarter of 1953.

Prices, sparked by steel, aluminum and copper, pointed up in August. Inventories were greatly reduced and out of line with production requirements. Employment was up, and buying policy remained predominately within a ninety-day range. It is the opinion of purchasing executives that the August upturn is not the beginning of a new boom, but the ending of, and recovery from, an artificially low three months. The cautious attitude is to "wait and see."

Commodity Prices

The down trend of industrial material prices was reversed in August, with the greatest number reporting higher quotations in the past eighteen months. Steel, copper and aluminum were the leaders of the movement. Items containing these materials are expected to move up, reflecting the increased costs. The question in many buyers' minds is "Will they stick?". Competition is very keen for fabricated metal parts.

Inventories

Raw material inventories have been worked down to the low point of the year and, due to the steel shortage, are generally reported badly out of balance. While many new orders have been placed since the steel strike, they are on the low side for quantity and of short range. Many industrial inventories will be controlled by the receipts of steel and steel items, for several months.

Employment

Payroll additions took a sharp upturn in the second half of August, as vacationers, strikers and furloughed workers returned to their jobs. Steel-consuming industries, particularly those without substantial defense orders, will be plagued by layoffs and short running time until the steel mills get their production schedules back to a normal basis. Fifty-eight percent of those reporting estimate this can be accomplished by the end of the year. Forty-

—Continued on page 78

Johns-Manville Plans African Asbestos Mine

Johns-Manville Corporation, New York, has announced plans for the immediate development of a new asbestos mine in Africa. The company at present operates two asbestos mines in Canada. The new project calls for operations on the asbestos ore properties of Rhodesian Asbestos, Ltd., at Mashaba in the Victoria district of Southern Rhodesia, about 200 miles south of Salisbury.

Rhodesian Asbestos was formed last December and is under the direction of Canadian Johns-Manville Company, Ltd., a subsidiary of the American concern, in association with British Metals Corporation, Ltd.; Anglo-Huronian, Ltd.; Southern Minerals & Marketing Corporation, (Pty) Ltd., and the Simon I. Patino interests. James R. Ewing, mining engineer formerly with Southern Minerals, has been named mine manager.

Sulphur Operations Started At Second Plant by Phillips

Phillips Chemical Company has begun operations of its second sulphur plant in west Texas. This plant, located adjacent to Phillips Petroleum Company's gasoline plant in the Permian Basin oil fields in Crane county, Tex., is designed to extract 100,000 pounds of sulphur per day from natural gas. Production has already exceeded the design capacity by over 10 percent.

Sulphur from this plant will not be solidified but will be trucked in its molten state to a railroad spur thirty-eight miles away, where it will be loaded into tankcars for delivery to its ultimate destination. Present plans call for production from this plant to be converted into sulphuric acid for subsequent manufacture into ammonium sulphate at the company's Adams terminal plant near Houston, Tex.

Davison Elects Director

Davison Chemical Corporation, Baltimore, Md., has elected Walter L. Price, vice-president in charge of accounting and freight claims for the Baltimore & Ohio Railroad, to the Davison board of directors. Mr. Price will fill the vacancy caused by the resignation of R. L. Snodgrass.

Oil Price Overcharges Laid to 4 US Concerns

Three civil suits to recover more than $67,000,000 from four major American oil companies and certain subsidiaries were filed in the United States District Court in New York August 22 by the Department of Justice. The suits complained that the companies overcharged the Economic Cooperation Administration and its successor, Mutual Security Agency, that amount for Middle East oil delivered to Marshall Plan countries.

Named as defendants in one suit were Socony-Vacuum Oil Company, New York, and its wholly-owned subsidiary, Socony-Vacuum Overseas Supply Company, Ft. Lee, N. J. This suit asked damages of $14,118,498.52.

The second suit named as defendants Standard Oil Company (New Jersey) and its wholly-owned subsidiary, Esso Export Corporation, both of New York. This suit asked damages of $31,795,619.64.

Calif. Standard, Texaco Named

The third suit named Standard Oil Company of California, the Texas Company, and their jointly-owned subsidiaries:—Bahrein Petroleum Company, Ltd., New York, a Canadian corporation; California-Texas Oil Company, Ltd.; Caltex Oceanic, Ltd.; and Mid-East Crude Sales Company, all Bahama Islands corporations, but with home offices in New York. This suit asked damages of $21,427,722.45.

The complaints allege that the foreign aid statutes prescribe a policy of limiting prices for commodities bought with funds appropriated by Congress and that, pursuant to this policy, administrative regulations have established specific standards for the determination of eligible prices. According to the complaints, these standards provide that prices charged for shipments of crude oil to participating countries may not exceed the price charged on any comparable sales made by the same supplier and that suppliers' prices may not exceed the export market price for crude oil in the source country.

Price Misrepresentations Charged

It is charged that the defendants represented to ECA and MSA that their prices for Middle East crude oil sold under the foreign aid program were the lowest market prices and in complete conformity with the standards prescribed by those agencies. In accepting payment, the defendants executed certificates containing assurances of such conformance and promising to reimburse if their prices later were found to exceed the prices permissible under the administrative regulations.

A post audit of the crude oil shipped by defendants revealed that they had charged higher prices on foreign aid shipments to Europe than the prices charged on other shipments. Demands for refunds of the difference were refused by defendants.

Glyco Begins Partial Output At New Unit in Williamsport

Glyco Products Company last week began partial manufacturing operations at its new plant in Williamsport, Pa., about a month ahead of schedule. The first products going into large scale production are the edible monoglycerides for use in baking, ice cream, candy, chewing gum, food, textile, plastic, rubber, paint and other industrial products.

All civilian production will be gradually transferred from Glyco's Natrium, W. Va., plant. This operation should be completed by November 1st. Present plans call for the Natrium plant to concentrate on production of special chemicals for the defense program.

Diamond Revamps Subsidiary As Leon A. Kolker Retires

Diamond Alkali Company, Cleveland, Ohio, has revised the administrative setup of its subsidiary, Kolker Chemical Works, Inc., Newark, N. J. Leon A. Kolker, founder and president of the Kolker Company, retired yesterday, and activities of the Diamond subsidiary are now being carried on by J. G. Brunton, in charge of Kolker sales, and Charles H. Kolker, in charge of operations and engineering. The functions of these two men are being coordinated under A. L. Geisinger, Diamond vice-president in charge of the organic chemical division.

Union Carbide Elects

Union Carbide & Carbon Corporation, New York, has elected George H. Love, president of Pittsburgh Consolidated Coal Company, to the Union Carbide board of directors.

Washington Talks It Over

By Ralph L. Cherry

Congress will be facing a very active session next year, regardless of who might occupy the White House, just considering the question of extension of laws passed in earlier congresses and now running into expiration dates.

Over the past several years most of the important enactments, and especially those which involved the delegation of any new or unusual powers to the Chief Executive, were written with an expiration date so that congress might be able to exercise a check reign on the use of the powers. A score or more such laws have been passed, and these will be coming up for renewal sometime during the session.

They cover practically the entire mobilization program and their fate will depend to some extent on whether the Republicans or Democrats are in control. Some of the more important laws that will have to be reconsidered, and the dates when they expire are:—

Defense production act with its provisions for price, wage and rent controls and settlement of wage disputes expiring April 30, and its provisions for priorities and allocation of critical materials expiring June 30.

The President's special emergency powers left over from World War II and expiring April 1.

Authority of the President to enter into, amend, or modify defense contracts, June 30.

Authority to renegotiate defense contracts, December 31.

The reciprocal trade agreements act, June 12.

Excess profits tax law of 1950, expiring June 30, and the increased rates of corporation and individual income taxes of the 1951 revenue act, expiring December 31.

The President's authority to control exports, June 30.

The selective service act, July 1.

OPS Plays Tag with Directorship

Things are fixed up for Tighe Woods, who takes over today as price stabilizer, so that practically all of the top draw officials of his agency can get out of Washington at the same time, and still there will be someone left in charge to act as the director and sign the necessary papers that must be signed.

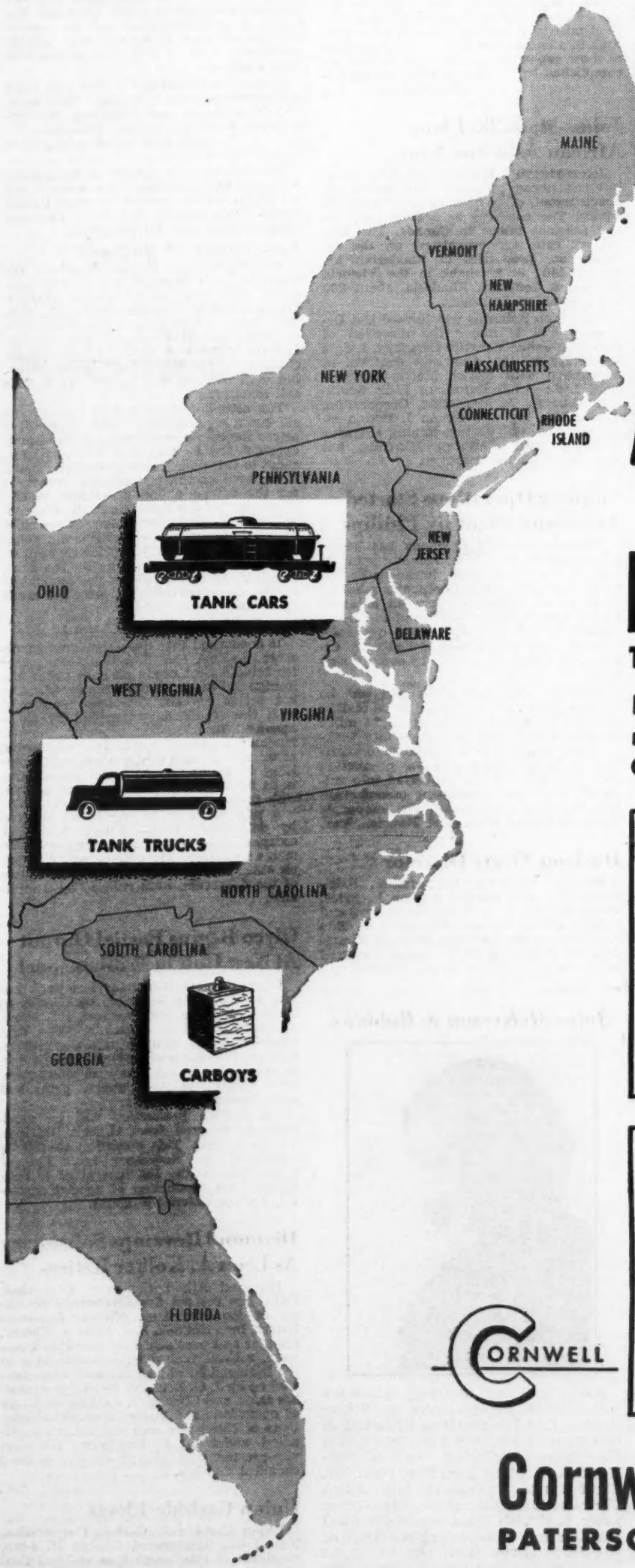
Before he gave up the post as price chief, Ellis Arnall issued a revision of a previous order of delegation of authority that extends the powers of the office of director of price stabilization through the various layers of the agency down to the level of its economic adviser. If this person wants to be out of town at the same time the price director is going to have to get another stooge, or close up shop.

This is the way the delegation of authority now runs:—when Mr. Woods is out of town, the functions of his office are to be performed by the deputy director; when both are away, they pass on to the director of price operations; when the three are out of town, the powers pass on

—Continued on page 38

Joins McKesson & Robbins

John V. Stauf, formerly executive assistant to the president of Solvay Process Division of Allied Chemical & Dye Corporation, New York, has joined the chemical division staff of McKesson & Robbins, Inc., New York. Mr. Stauf has been associated with Allied Chemical for the past thirty-three years, first with the General Chemical Division and then as vice-president of the Solvay Sales Division. Last year he was made executive assistant to the president of Solvay Process.



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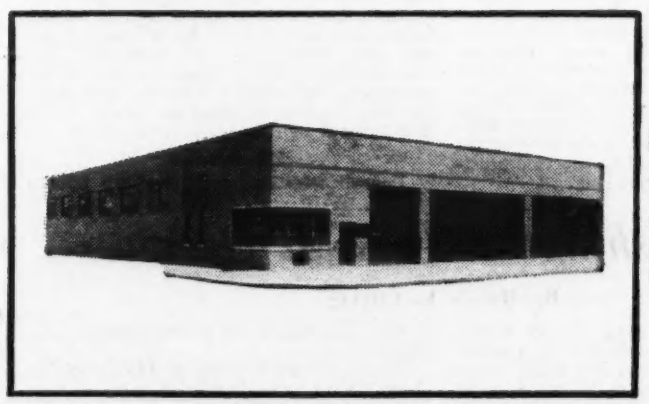
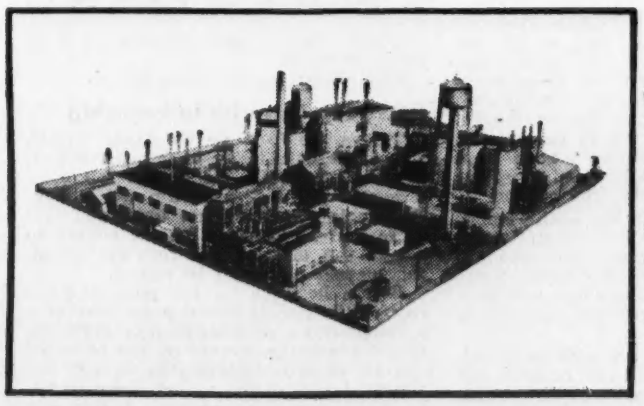


PATERSON

Warehouse and Sales Offices in Paterson, New Jersey



CORNWELLS HEIGHTS

Plant and laboratories of Cornwell Chemical on the Delaware River, Philadelphia (Cornwells Heights)

CORNWELL

Cornwell Chemicals

PATERSON, N. J. LAMBERT 5-2494

Association Meetings

American Association of Textile Chemists and Colorists, annual meeting, Statler hotel, Boston, Mass., November 6-8.

American Chemical Society, national meeting, Atlantic City, N. J., September 14-19.

American Council of Commercial Laboratories, annual meeting, Schenley hotel, Pittsburgh, Pa., November 12-14.

American Drug Manufacturers Association, accounting section, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., October 27-29.

American Oil Chemists Society, fall meeting, Netherland-Plaza hotel, Cincinnati, Ohio, October 20-22.

American Pharmaceutical Manufacturers Association, midyear meeting, Waldorf-Astoria hotel, New York, December 8-10.

American Soybean Association, annual convention, Purdue University, Lafayette, Ind., September 9-11.

American Standards Association, annual meeting, Waldorf-Astoria hotel, New York, November 19.

American Tung Oil Association, annual meeting, Admiral Semmes hotel, Mobile, Ala., October 8-10

Association of American Fertilizer Control Officials, annual meeting, Shoreham hotel, Washington, D. C., October 3.

Association of Consulting Chemists and Chemical Engineers, annual symposium, Belmont Plaza hotel, New York, October 28.

Chemical Market Research Association, Mont Tremblant Lodge, Province of Quebec, Canada, September 25-26.

Chemical Specialties Manufacturers Association, annual meeting, New Yorker hotel, New York, December 7-9.

Drug, Chemical and Allied Trades section of New York Board of Trade, annual meeting, Pocono Manor Inn, Pocono Manor, Pa., September 25-28.

Federal Wholesale Druggists Association, annual convention, Greenbrier hotel, White Sulphur Springs, W. Va., September 14-18.

Federation of Paint and Varnish Production Clubs, annual meeting, Palmer House, Chicago, November 20-22.

Flax Institute of the United States, annual meeting, Minneapolis, Minn., November 6-7.

Food, Drug and Cosmetic Law division of the American Bar Association, annual meeting, Clift hotel, San Francisco, Calif., September 17-18.

Manufacturing Chemists Association, semi-annual meeting and winter conference, Statler hotel, New York, November 25.

National Agricultural Chemicals Association, annual meeting, Essex and Sussex hotel, Spring Lake, N. J., September 3-5.

National Chemical Exposition, Coliseum, Chicago, September 9-13.

National Fertilizer Association, fall meeting, Roney Plaza hotel, Miami Beach, Fla., November 19-21.

National Paint, Varnish and Lacquer Association, annual convention, Palmer House, Chicago, November 17-19.

National Pest Control Association, annual meeting, Rice hotel, Houston, Tex., October 20-22.

National Petroleum Association, annual meeting, Traymore hotel, Atlantic City, N. J., September 10-12.

National Standardization Conference, Chicago, September 8-10.

National Wholesale Druggist Association, annual meeting, Ambassador and Ritz Carlton hotels, Atlantic City, N. J., September 28-October 1.

Packaging Machinery Manufacturers Institute, annual meeting, Homestead hotel, Hot Springs, Va., September 11-14.

Salesmen's Association of the American Chemical Industry, chemical sales clinic, Commodore hotel, October 28.

Society of Cosmetic Chemists, semi-annual meeting, Biltmore hotel, New York, December 11.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 10.

DCAT to Hear Election Forecast at Annual Meeting

Archibald M. Crossley, president of Crossley, Inc., will be the speaker at the sixty-second annual meeting of the Drug, Chemical and Allied Trades section of the New York Board of Trade, to be held September 25 to 28 at Pocono Manor Inn, Pocono Manor, Pa. Mr. Crossley, who will be the sole speaker at the business session scheduled for the morning of September 26, will discuss "Forecasting the Election."

Mr. Crossley has had twenty-four years of experience in marketing and public opinion research. He originated the Crossley rating of radio audiences in 1930 and shortly thereafter began the continuous measurement of magazine audiences and presidential election polls. He is president of the American Association for Public Opinion Research and past president of the Market Research Council and New York Chapter of the American Marketing Association.

The business session will also be marked by the presentation of reports by officers and committee chairmen of DCAT and the election of a new executive committee. Scheduled too is a showing of the film, "The 1952 Market—A preview," by Arno Johnson, director for J. Walter Thompson Company, which is said to give a long range business forecast.

APhA Commemorates First Century

Twenty men, representing a half-dozen teaching and community institutions in the drug world of the United States and a few unorganized localities, meeting in Philadelphia, October 6, 1852, organized the American Pharmaceutical Association. About 1,500 persons, with all sorts of association with pharmacy, met in Philadelphia August 17 to 22, 1952, to commemorate the centenary of the association.

A centennial ceremonial session was an added feature of this year's, as usual, multipartite program of the meetings of the American Pharmaceutical Association and the various affiliated and less closely related organizations which customarily meet at the same time. The centennial session was an impressive event, opening with a processional of more than one hundred representatives of eighty-six domestic and more than twenty foreign pharmacal and other professional groups, impressively garbed in a great variety of caps and gowns. The national anthem was sung. An invocation was pronounced by a Bryn Mawr minister who is also a graduate in pharmacy with B.S. and M.S. degrees.

President Don E. Francke read a message of greetings and appreciation from the President of the United States.

Greetings for organizations in twenty other nations were given by W. R. Cutler, president of the Pharmaceutical Association of Australia and New Zealand, who looked upon the occasion as a forecast of a pharmacal league of nations which could and would contribute valuably to the necessary service of the public and do much for the course of peace.

Foreign Groups Greet APhA

Introduced by Dr. Paul S. Pittenger, vice-chairman of the centennial committee, the representation of each of the foreign organizations greeted president Francke and vice-president Joseph B. Burt and presented the association with scrolls and similar tokens of their appreciation. The friendly visitors were replied to by Dr. George D. Beal, chairman of the APhA council, with an appreciation of their alignment with the association in the furtherance of better and more available pharmacal service for the people of the world.

Greetings from eighty-six domestic organizations were formally presented by Dr. Malcolm T. MacEachern, of the American Hospital Association who was particularly appreciative of the pharmaceutical association's growing interest in the matters of inter-professional relations in the field of health services. Introduced also by Dr. Pittenger, the representatives of the domestic organizations shook hands with President Francke and Vice-president Burt and added to the gifts of scrolls and other testimonials of good wishes.

Greetings from the medical agencies of the United States government were presented by Leonard A. Scheele, surgeon-general of the United States Public Health Service. He told of the establishing of pharmacal internships in the governmental agencies and the endeavor to give proper recognition to and get the benefits of the qualifications of pharmacists inducted into the defense services. A movement is going on to have boards of pharmacy give credit for experience got in the pharmacal units in the government agencies. Dr. Robert P. Fischelis, secretary of the American Pharmaceutical Association, responded to the greetings from the governmental and other domestic organizations. He also reported that messages and tokens and other testimonials had been received from a total of about 200 organizations and other groups.

Imposing as were the colorful contributions of the many attending delegates from other organizations, the contribution with the greatest human touch was given at a later regular session of the association when Mrs. Frances C. Young, of Aberdeen, S. D., a life member of the association, a registered pharmacist for forty-six years, and a Gold Star mother, presented the association with a birthday gift of $100 in memory of her war-victim son whose birthday was on that date (August 21).

Enduring Pharmacy Values

The centennial address was delivered by Dr. Ivor Griffith, president of the Philadelphia College of Pharmacy and Science, whose topic was "Values That Endure in the Practice of Pharmacy." These, he said, were integrity, faith, and intelligence, manifested in the ethical practice of business and profession.

Paying sharp attention to those who find fault with the commercialization of what a century ago was the apothecary's shop, Dr. Griffith said:—"Cameras, cosmetics, candlesticks, and cutlery are not pharmacy and never will be. But pharmacy today is better pharmacy, better insofar as it serves the public in a better way, far better, far truer to its definitions than ever before."

Dr. Griffith paid particular attention to the results of pharmacal progress in all areas of national health. Concerning popular concepts of today's cost of medical care, he said:—"There is a great deal of inaccurate thinking and inaccurate writing about the high cost of medical care in America today, and that such cost to the individual has even exceeded the inflationary prices which obtain in other areas such as clothing, food, and housing. Actually this is not so! On the contrary, medical services in every area are less, when intelligently judged, than they were a quarter of a century ago. From an authentic 1927 hospital record of a pneumonia patient of ordinary means, who was hospitalized because of the seriousness of

R Q. Richards
Newly-Installed President

his attack of lobar pneumonia, total hospital bills, including nurse, room, and board, and medical treatment for five weeks were $350; total absence from gainful employment (including five weeks' convalescence), $350 (since there was not any provision in this case for payment for days lost). Actually approximately a thousand dollars was spent before this patient was returned to work. Today pneumonia may be treated at home, and the patient returned to work within two weeks, and while I have no figures to apply except conjectural figures, it is obvious that the expenses contracted would be less than one-tenth of those known to have existed in 1927."

Dr. Griffith presented to the association a painting of the old building of the Philadelphia college in which it was organized in 1852.

Statements of Position

A broad area was covered in the association's customary expression of views and suggestions in resolutions adopted by the house of delegates. Matters thus dealt with this year included the following:—

Prescription Switching — Of foremost timely interest to the drug trade as a whole was the condemnation as unethical of the dispensing on a prescription of a product or a brand of a product other than that specified by the prescriber. It was declared that boards of pharmacy should be statutorily authorized to penalize the practice of substitution in that connection.

Hospital Dispensing—The only resolution to which objections were made in the house of delegates was one characterizing as unfair competition the filling of prescriptions for private ambulatory patients by tax-exempt, public-supported hospitals at prices which the practicing pharmacist is unable to meet (said to run about 20 percent below drug-store charges). The opponents made the points that such dispensing was usually for indigent persons and had a large factor of charity. The proponents made it plain that the designation, "private ambulatory patients" did not include charity patients.

Uniform Barbiturates Law—Enactment of a uniform barbiturates law by the several states was endorsed.

Interprofessional Ethics—An interprofessional conference in the health field was advocated for the construction of a code of ethics (see also OPD, August 25, page 7). Study by the council of the association of interprofessional functioning was urged with a purpose of developing a professional approach to the problems.

Standard Catalogs—Standardization of catalogs of drug manufacturers was endorsed and rapid adoption of the recommendations of the Department of Commerce in that respect was urged.

Drug Exports—Cutting of the red tape of Department of Commerce rules on the sending of drugs abroad on prescriptions was called for and it was urged that thorough study be made of the shipment of drugs to "Iron Curtain" countries by interests outside the drug industry.

Pharmacists in Civil Defense—Pharmacal colleges were urged to cooperate in the special training of pharmacists in first aid and other activities for which they could be fitted in civil defense roles.

Refresher Courses—Seminars and refresher courses designed to keep practicing pharmacists abreast of drug developments were commended.

Pharmacists in Government Services—The armed services were urged to give due consideration to the training of graduate pharmacists for commissions. Under a new army regulation, draftees with degrees in a number of fields are required to take but half the regulation basic training. Boards of pharmacy were asked to give due recognition to experience got in pharmacal work in the services. Commendation was voted for the chiefs of the several branches having pharmacal aspects.

Association Activities — Increasing of the association's branches to a total of 200 was referred to the council. A similar reference was made of a proposal that a section for medical service representatives be found, and one for the attendance of an advisor at meetings of student branches. Study of the establishment of a student section, with a special publication was recommended. Resumption of publication of the annual proceedings was referred to the committee on publications. It was recommended that the National Conference of State Association Officials be given a part in the association's annual meeting program, and that a conference on its affiliation be held. A program of public relations was recommended.

Appreciations—Resolutions of appreciation were adopted for this year's president, the president-elect, the secretary, the treasurer, the chairman of the house of delegates, the historical section, convention committeemen and other workers, the American Foundation for Pharmaceutical Education and its supporters, and the WHO in its work on an international pharmacopeia.

Socialized Medicine

Although there was a deal of personal discussion of actual or somewhat perceptible trends toward socialized or nationalized medical service and the president-elect urged that the association go on record as "unalterably opposed" to socialized medicine, no formal resolution in that area was adopted. There was a general agreement with the president-elect that the association and individual pharmacists should participate actively in all practical movements to assure adequate medical service for every person in this country.

W. J. Tristram, president of the Pharmaceutical Society of Great Britain and a member of the British Central Health Service Council, described socialized medicine in his country as "a great piece of legislation" which is in England to stay because general health is being improved and all persons in the country are receiving health benefits. He took issue with certain groups in the United States which he said make unproven claims that Britain's national health program is "a flop" by declaring that "no responsible person in England could make such a statement."

Cites Early Diagnosis in Britain

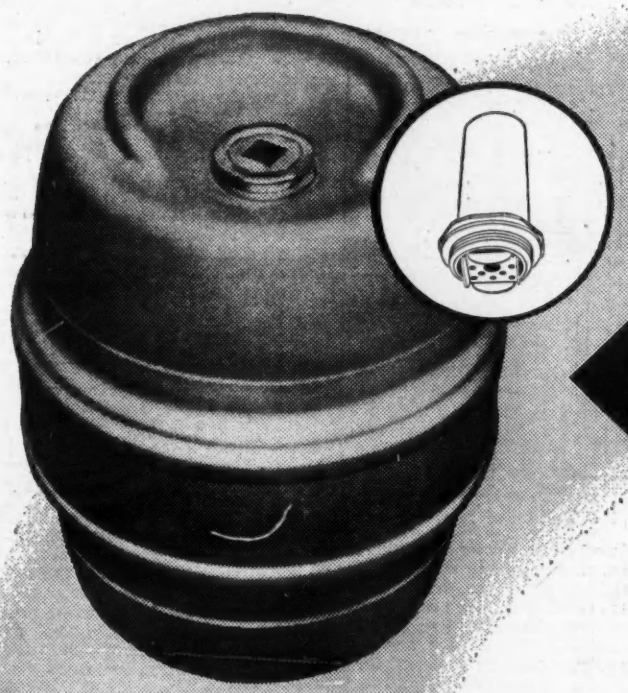
The British guest speaker said that one of the greatest single values resulting from socialized medicine was the fact that today in Great Britain persons obtain early diagnosis of their ills because medical service is free, whereas previously a large portion of the population, particularly the low-wage class of workers and their families, delayed diagnosis because of financial costs. He said also that in cases of serious illness or operations the problem of finances of any family did not prevent immediate attention from the physician and the pharmacist.

The British pharmacy leader said that since 1948, prescriptions for medicines had increased two and a half times. He said that while this year there had been a 15 percent drop in the number of prescription forms because of the government regulation now requiring a charge of the equivalent of 15 cents for each form, most

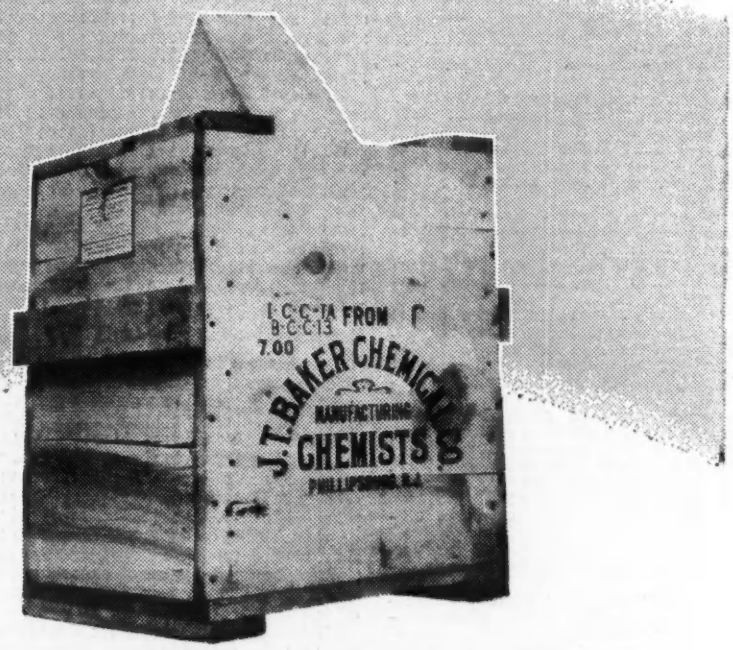
—Continued on page 59

GET BAKER NITRIC ACID TECHNICAL OF CONTROLLED STRENGTH AND PURITY

Your Choice of Packaging



...STAINLESS STEEL DRUMS



...CONVENTIONAL GLASS CARBOYS

CHECK ALL THESE SAVINGS WITH STAINLESS STEEL DRUMS

1. Save approximately 30% in freight rates.
2. Save freight charges on 50 pounds tare each way—100 pounds in all.
3. Save storage space in both freight cars and in your warehouse. Drums may be stacked five high.
4. Save time and labor in trucking and handling. Drums can be rolled if necessary.
5. Do away with the possibility of breakage.
6. Save time in pouring. Stainless steel spouts make safe pouring easy.

*Drums are returnable for full credit.
**Spouts are available at $5.00, re-usable but non-returnable.

Baker CHEMICAL

Baker offers you dependable Nitric Acid Technical in five controlled strengths—36°—38°—40°—42°—43° Bé—each packaged in two types of containers... Glass Carboys and Stainless Steel Drums*.

SPECIFICATIONS
(All Grades)

Residue after Ignition	**0.005 %**
Heavy Metals (as Pb)	**0.0005%**
Iron (Fe)	**0.001 %**

When shipped in stainless steel drums you make many savings. You also have these safety features: There's no chance for breakage, and the stainless steel pouring spout** available with these drums eliminates possible splash.

The next time you need Nitric Acid Technical, buy Baker. Specify shipment in stainless steel drums. Their convenience, saving in time, money and storage space will convince you that they are the ideal containers for this widely used Acid.

J. T. Baker Chemical Co., *Executive Offices and Plant,* Phillipsburg, New Jersey.

Baker Chemicals

REAGENT • FINE • INDUSTRIAL

Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, August 29 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum arabic)
Acenaphthene below 92.5 C., m.p., dms works lb. .40 —
over 92.5 C., m.p., bbls., dms., works lb. .41 - .50
Acetaldehyde 99% dms. c.l., frt. equald lb. .1250- .1435
l.c.l., frt. equald lb. .1350- .1535
tanks, frt. equald lb. .1050- .1300
Acetaldol (see Aldol)
Acetanilide, tech., bbls., c.l., dlvd. lb. .26½- —
l.c.l., ton lots lb. .27½- —
smaller lots lb. .30½- —
USP, bbls., 2,000-lb. lots lb. .61 —
smaller lots lb. .62 .67
Acetic, anhydride, dms., c.l., dlvd. E lb. .16 - —
l.c.l., frt. alld E lb. .17½- —
tanks, frt. alld E lb. .14½- —
Acetoacetanilide, fib. dms., c.l. dlvd. lb. .73 - —
l.c.l., dlvd lb. .74 - —
Acetoacetorthochloroanilide, fib. dms., c.l., dlvd lb. 1.14 - 1.22
l.c.l., dlvd lb. 1.15 - 1.23
Acetoacetorthotoluidide, fib. dms., c.l., dlvd lb. .78 - —
l.c.l., dlvd lb. .79 - —
Acetone, CP dms., c.l., dlvd lb. .10¼ .11¾
l.c.l., dlvd lb. .11 .12½
tanks, dlvd lb. .08½- .10
Methyl (see M)
Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb. .47 - —
Acetophenetidin USP, bbls., works, frt equald lb. 1.15 - 1.38
Acetophenone, cns. dms lb. 1.35 - 1.85
tech., dms., l.c.l., works lb. .75 - —
Acetyl (N) para-aminophenol, dms., frt. adjusted lb. 1.50 - 1.60
Acetyltributyl citrate, tech., dms., c.l lb. .37½- —
l.c.l lb. .38½- —
tanks lb. .36 - —
Acetyltriethyl citrate tech., dms., c.l lb. .37½- —
l.c.l lb. .38½- —
tanks lb. .36 - —
Acid, abietic, com'l, dms., c.l., works lb. .12 - —
l.c.l., works lb. .1300 —
cryst., dms., c.l., works lb. .06½- —
l.c.l., works lb. .07 - .07¼
Acetic, com'l or redist., 28%, bbls 100 lbs. 5.50 - —
56%, bbls 100 lbs. 9.65 - —
70%, bbls 100 lbs. 11 70 - —
80%, bbls 100 lbs. 12 45 - —
glacial, synthetic, CP, dms., works 100 lbs. 15.00 -16.00
cbys. inclusive, works 100 lbs. 24.00 -25.00
tech., dms., c.l., works 100 lbs 10.50 -12 50
l.c.l., works 100 lbs. 11.00 -13.50
tanks, works 100 lbs. 9.00 -11.50
USP, dms., works 100 lbs. 13.50 -14.50
Acetic anhydride (see Acetic anhydride above)
Acetylsalicylic USP special bbls., makers, primary distrib., point of ship't, 1000-lb. lots lb. .60 - —
standard, fine cryst., gran., (30-40 mesh powd. (80 mesh), bbls same basis, lb. .53 - —
Freight equald, ship't identical quantity over standard routes from N. Y., Phila., Midland, Mich., Chicago and St. Louis.
Adipic, fib. dms., works lb. .30½- —
Aminoacetic NF bbls., frt. adjusted lb 1.50 1.75
Anthranilic, resub. bbls lb. 2.10 - —
tech., bbls., frt. equald lb. 1.10 - —
Arsenous, tech (see Arsenic, white)
USP (see Arsenic trioxide).
Ascorbic USP dms. 25-50 kilo lots kilo. 24.50 - —
10-kilo lots kilo. 24.85 - —
5-kilo lots kilo. 25.25 - —
bots., 1-kilo lots kilo. 25.50 - —
500-gram lots kilo. 26.00 —
Battery, cbys. c.l., works, E. 100 lbs. 2.40 —
l.c.l., works, E 100 lbs. 2.90 - 3.20
Benzoic, tech., bbls., dms., 100-lb. lots or more lb. .425 - .450
USP, bbls., dms., 100-lb. lots or more lb. .525 - .540
Betahydroxynaphthoic (see Acid, betaoxynaphthoic).
Betaoxynaphthoic, bbls., works lb. 1.35 - 1.39
Boric, tech., 99½% cryst., bgs., c.l., works ton. 120.75 - —
ton lots, ex whse., N. Y. or Chi. ton. 166.50 - —
less ton lots same basis, ton. 171.50 - —
bbls., c.l., works ton. 145.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 191.00 - —
less ton lots same basis, ton. 196.00 - —
bulk, c.l., works ton. 116.75 - —
gran., bgs., c.l., works ton. 95.75 - —
ton lots, ex whse., N. Y. or Chi. ton. 141.50 - —
less ton lots same basis, ton. 146.50 - —
bbls., c.l., works ton. 129.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 166.00 - —
less ton lots same basis, ton. 171.00 - —
bulk, c.l., works ton. 91.75 - —
powd., bgs., c.l. works ton. 109.75 - —
ton lots, ex whse., N. Y. or Chi ton. 146.50 - —
less ton lots same basis, ton. 151.50 - —
bbls., c.l., works ton. 125.25 - —
ton lots, ex whse., N. Y. or Chi ton. 171.00 - —
less ton lots same basis, ton. 176.00 - —
bulk c.l. works ton. 96.75 - —
USP $25 per ton higher.
Broenner's, bbls lb. 1.47 - —
Acid, butyric, 99% dms. c.l., works, lb. .28 - —
l.c.l., works lb. .38½- —
tankcars, works lb. .36½ —
Cacodylic, bots lb. 10.50 13.00
Camphoric, natural, dms lb. 4.00 - 4.75
synth dms lb. 4.00 4.75
Capric, 90%, dms lb. .29¼- .30½
Caprylic 90%, dms lb. .29¼- .30½
Cassello dms frt alld lb. 1.44 —
Castor oil, split, dms lb. .33¼- .33¾
Chicago, bbls., frt alld lb. 3.21 —
Chlorosulphonic, dms., c.l., frt, equald lb. .039 —
l.c.l., frt. equald lb. .044 .039
tanks, frt. equald lb. .034 —
Chromic, 99½-99¾%, dms., c.l., works lb. .27 - .27½
l.c.l., works lb. .27½- .28¼
NF (see Chromium trioxide)
Cinnamic, refd. bots lb. 3.50 - 3.50
Citric, anhyd., gran., fine gran., dms., 10,000-lb. lots, 1 ship't lb. .27 - —
smaller lots lb. .27½- —
kgs. lb. .28½- —
Anhydrous citric acid powder ½c. per lb. higher
USP, gran., fine gran., dms., c.l lb. .24½- —
10,000-lb. lots, 1 ship't, lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26½- —
USP citric acid powder ½c. per lb higher
Cleve's, mixed bls lb. .79 - —
Coconut oil, dist., dms lb. .19 - .20¼
double dist., dms lb. .20½- .21¼
Cottonseed oil, dist., dms lb. .11¼- .12¼
double dist., dms lb. .11¾- .13
Cresylic coaltar, dom. 50% above 207°C non-ret dms., c.l., frt. equald gal. 1.31 - —
l.c.l., same basis gal. 1.34 - —
ret. dms. c.l. same basis gal. 1.28 - —
l.c.l., same basis gal 1.33 - —
tanks, same basis gal. 1.20 - —
50% to 207°C non-ret dms., c.l., same basis gal. 1.36 - —
l.c.l., same basis gal. 1.39 - —
ret. dms., c.l. same basis, gal. 1.33 - —
l.c.l., same basis gal. 1.38 - —
tanks, same basis gal. 1.25 - —
Imp., 75% at 215°C. or over, dms., ex whse gal. .85 - 1.00
petroleum, dom. 195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .71 - —
l.c.l., same basis gal. 73 - .75
tanks same basis gal. .58 - —
Acid, cresylic, petroleum, dem., 200° C to 222° C, tanks, Wilmington, Cal gal. .58 .63
211° C to 236° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .63 —
l.c.l., same basis gal. .65 .67
tanks, same basis gal. .50 —
220° C to 242° C, tanks, Wilmington, Cal gal. .50 .53
345° C to 298° C, tanks, Wilmington, Cal gal. .46 —
Crotonic, fib dms, works lb .31 —
Cyanoacetic, tech., bbls lb. .90 - 1.25
Desoxycholic, bots lb. 22.00 Nom.
Dichlorophenoxyacetic (see under "D" 2,4-Di.
Diethylbarbituric (see Barbital)
Diglycolic, bgs., works lb. .14 - —
Ethylhexoic, dms. c.l., works lb. .35 - —
l.c.l., works lb. .35½ —
tanks works lb. .33½ —
F, crude, paste, bbls., works lb. 1.67 - —
Folic, bots, fib cns. kilo or more gram. 1.60 —
Formic, 85%, cbys., c.l., works lb. .142 .17
l.c.l., works lb. .14½ .22
90%, cbys., c.l., works lb. .1475- .1750
l.c.l., works lb. .15 .23½
Fumaric, tech, 4bls, dms lb. .37 .38
Gallic, NF VII, bbls., 1,000-lb. lots, lb 1.80 —
smaller lots lb 1.82 2.09
technical, bbls., 1,000-lb. lots lb. 1.58 - —
smaller lots lb. 1.69 1.78
Gamma, dry, ground, bbls., frt. alld lb. 1.50 - —
paste, bbls., frt. alld lb. 1.45 - —
Gentisic, 100-lb. fib. dms lb. 6.50 - —
Gluconic, tech., 50%, bots lb. .23½ .21½
dms. lb. .14½- —
cbys. lb. .17½- —
Glutamic 99½% laevo, fib. dms., 100-lb lots, works lb 2.45 2.53
25-lb. lots, works lb. 2.60 2.68
Glycerophosphoric, 35%, dms., works lb 2.25 2.35
Glycolic (see Acid, hydroxyacetic).
H, basis 100%, bbls., works lb. .82 - —
Hydriodic, 1.50 s.g., cbys lb. 2.67 - —
1.70 s.g., cbys lb. 2.92 - —
Hydrobromic, medicinal, 48%, cbys., dlvd E lb .37 - .43
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls. works lb. 1.15 - —
dilute, NF, 2%, 5-lb. bots lb. .40 - —
Hydrofluoric, anhyd., cyls., works. lb. .24 .25
tanks, works lb. .18 - —
70%, steel dms., works lb. .1635- .1955
Hydrofluosilicic, 20-35%, bbls., works lb. .07 - —
Hydroxyacetic, tech., 70%, bbls., non-return., Phila., basis 100% lb. .12 - —
tanks, Belle, W. Va., basis 100% lb. .083 - —
Acid, hypophosphorous, purit., 50%, cbys lb. 1.30 1.33
USP, cbys lb .83 —
Isonicotinic, 100 lb. fib. dms, works lb. 10.00 - —
J, bbls., works, basis 100% lb. 2.50 - 2.85
Koch, bbls. frt. alld lb. .64 - .70
L, bbls frt alld lb 1.25 —
Lactic, edible, 50% bbls., 20 or more lb. .17 .20
smaller lots lb. .17½ .21
80%, bbls., 5 or more lb. .30 - .3649
less than 5 bbls lb. .305 .3699
plastic grade, 50% bbls., 20 or more, works lb. .21¾ —
1 to 19 lb. .22¼ .23¾
80%, bbls., 5 or more lb. .3815- —
tech., 22%, bbls., c.l., works, 100 lbs. 6.30 —
l.c.l., works 100 lbs. 6.70 —
cbys., works 100 lbs. 7.20 -12.20
44%, bbls., c.l., works 100 lbs. 11.45 -11.95
l.c.l., works 100 lbs. 11.85 -12.50
NF, 85%, cbys lb. .83 - .88
Laurent's, bbls lb. 60 .67
Lauric, 99%, dms lb. .23¾- .30
60%, dms lb. .19¾- .21
Linseed oil, dist., dms lb. .2145- .2185
water-white, dms lb. .2445- .2495
Maleic, cryst., powd., dms. lb. .37 - .38
Malic, tech., dms lb. .50 - —
Mandelic, NF, dms., 1,000-lb. lots, lb. 2.25 —
smaller lots lb. 2.40 2.50
Metanilic, dms., works lb. .57 - —
Methacrylic, dms., c.l., and truckloads, works lb. .78 - —
less than truckload, works lb. .76½ .80
Molybdic, dms. 85-82% works lb. 1.40 1.53
Monochloroacetic, purified, flake, 99%, dms lb. .23½- .25½
tech., flake, 96-97%, dms lb. .20 - .22
Muriatic, 18° cbys., c.l., works, 100 lbs. 2.45 2.80
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 - 4.30
tanks, works ton. 25.00 -29.00
20°, cbys., c.l., works 100 lbs. 2.70 - 3.05
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 - 4.30
tanks, works ton. 27.00 -33.00
22°, cbys., c.l., works 100 lbs. 3.30 3.40
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 - 4.30
tanks, works ton. 32.00 36.00
CP, USP consumers, cbys., extra, c.l., works lb. .11¾- —
l.c.l., same basis lb. .13¼ .13¾
5 pint bottles, extra, cs., c.l., same basis lb. .16¾ —
l.c.l., same basis lb. .19¼- —
Acid, muriatic, CP, USP, prices to dealers, 1½c. per lb. less.
Myristic, dms lb. .25¼- .26½
Naphthenic, 220-230 acidity, dms., works lb. .14 - —
tanks, works lb. .12 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol(1)-5-sulphonic (see Acid, L).
Naphthol(1)-5-sulphonic,3-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma).
Naphthol(2)-7-sulphonic,3-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broenner's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms., frt. alld lb. 1.03 - —
Nicotinic, USP, dms., frt. adjusted kilo. 9.00 - 9.20
Amide (see Nicotinamide).
Nitric 36° Be cbys., c.l., works, E. 100 lbs. 5.00 - —
l.c.l., works E 100 lbs. 5.50 -11.10
38° Be cbys., c.l., works E 100 lbs. 5.80 - —
l.c.l., works E 100 lbs. 5.80 -11.60
40° Be cbys., c.l., works E 100 lbs. 6.00 - 6.50
l.c.l., works E 100 lbs. 6.50 -12.10
42° Be cbys., c.l., works E 100 lbs. 6.50 - 7.00
l.c.l., works E 100 lbs. 6.80 -12.60
60% HNO_3, tanks, works, basis 100% 100 lbs. 3.25 - —
95% HNO_3, tanks, works, basis 100% 100 lbs. 4.25 - —
CP, NF consumers, cbys., extra c.l., works lb. .13½- —
l.c.l., same basis lb. .15 - .15½
5 pint bottles, extra, cs., c.l., same basis lb. .17½ —
l.c.l., same basis lb. .19 - .25
Oleic, single distilled, dms lb. .13½- .14¼
tanks lb. .11¾- —
double distilled (white), dms lb. .16 - .17¼
tanks lb. .14¼- —
Oleum (see Acid, sulphuric, fuming).
Orthochlorobenzoic, fib. dms., works lb. 1.13 - —
Orthocresotinic, dms., ton lots, works lb. .66 - —
smaller lots, works lb. .68 - —
Oxalic, bbls., c.l., works lb. .1575- .1590
10,000-lb. lots, works lb. .16 - .1615
smaller lots, works lb. .17 .1715
Palm oil, white, dist., dms lb. 16½ 17
Para-aminobenzoic, tech., dms lb. 1.74 1.77
USP, dms., 1,000-lb. lots or more, works lb. 3.60 - —
smaller lots lb. 3.70 - 4.00
Para-aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.45 —
smaller lots, same basis lb. 4.50 - 4.95
Parachlorobenzoic, fib dms., works lb. 1.59 - 1.62
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinemetasulphonic, bbls., works lb. .92 - 1.04
Phenylacetic, bots lb. 1.45 - 1.75
tech., dms., 1,000-lb. lots lb. .90 - —

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dest-dist.	destructive-distilled	neut.	neutral
dextro	dextrorotatory	NF.	National Formulary
alld.	allowed	dist.	distilled	No.	number
ammo.	ammonia	distr.	distributor	nom.	nominal
amorph.	amorphous	djns.	demijohns	ord.	ordinary
AMP.	American melting point	dlvd.	delivered	oz.	ounce
anhyd.	anhydrous	dms.	drums	Pac.	Pacific
a.p.a.	available phosphoric acid	dom.	domestic	pf.	proof
artif.	artificial	E.	east	phos.	phosphate
ASTM.	American Society for Testing Materials	e.p.	end point	photo.	photographic
equald.	equalized	pkgs.	packages
F	fahrenheit	powd.	powdered
ferment.	fermentation	precip.	precipitated
ffa.	free fatty acid	prod.	producer
ffc.	free from chlorine	pt.	point
Be.	Baume	pulv.	pulverized
bbls.	barrels	fib.	fiber	purif.	purified
bgs.	bags	f.o.b.	free on board	redist.	redistilled
bls.	bales	FPA.	free of prussic acid	refd.	refined
bots.	bottles	refy.	refinery
b.p.	boiling point	frt.	freight	reg.	regular
b.p.l.	bone phosphate of lime	fus.	fused	resub.	resublimed
b.r.	boiling range	gal.	gallon	ret.	returnable
bxs.	boxes	gran.	granular	SD.	specially denatured
C.	centigrade	grd.	ground
cbys.	carboys	I&a.	iron and aluminum	s.d	single distilled
CD.	completely denatured	i.b.p.	initial boiling point	S.E.	southeast
secs.	seconds
c.i.f.	cost, insurance, freight	imp.	imported	sp.g.	specific gravity
incl.	included	shipt.	shipment
cks.	casks	indust.	industrial	solut.	solution
c.l.	car lots	kgs.	kegs	s.u.	standard unit
cns.	cans	lacq.	lacquer	synth.	synthetic
col.	color	lb.	pound	tanks.	railroad tank-cars
coml.	commercial	l.c.l.	less than car lots
conc.	concentrated	liq.	liquid	tech.	technical
CP.	chemically pure	m.a.p.	mixed anilin point	USP.	U. S. Pharmacopoeia
cps.	centipoises
cryst.	crystal	M c.f.	thousand cubic feet	vis.	viscosity
cs.	cases	VM&P	varnish makers & painters
ctns.	cartons	min.	minimum
cyls.	cylinders	m.p.	melting point	W	west
dbl.	double	N.	nitrogen	wlse.	warehouse
denat.	denatured	nat.	natural	w.w.	water white

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, Phenylcinchonic—Alcohol, Salicyl

Acid, phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic)
Phosphoric, food grade, 75%, cbys., c.l., works 100 lbs. 7.00 - 7.10
l.c.l., works, frt. alld. 100 lbs. 7.50 - 8.00
tanks, works 100 lbs. 4.90 - 5.00
NF, 85%, cbys., c.l. works lb. .08 - .08¼
l.c.l., works lb. .08½ - .09¼
Picric, NF 300-lb. bbls lb .55 —
dms., small lb. .81 - .87
tech., bbls lb .32 .33
Propionic, synthetic pure, dms., c.l., works lb. .258 —
l.c.l., works lb. .263 —
tanks, works lb. .19 - .243
Pyrogallic, NF, (see Pyrogallol)
tech., bbls lb. 2.76 2.99
Pyroligneous, dms., incl., l.c.l., works gal. .50 - —
whse. gal. .504 - —
Ricinoleic (see Acid, castor oil, split).
S, bbls., works lb 3.25 - —
Salicylic, crude, bgs lb. .35 - —
sublimed, tech., bbls., c.l. lb. .37 - —
l.c.l. lb. .44 - —
dyestuffs grade, bbls lb. .39 - —
USP, cryst., bbls lb. .46 - —
powder, bbls lb. .51 - —
Sebacic, purified, dms., c.l., works, lb. .85½ - .88
l.c.l., works lb. .86 - .88½
Soybean oil, double dist., dms lb. .12¾ - .14
single dist., dms lb. .12¼ - .13½
Stearic, double pressed, bgs lb. .12 - .13¼
single pressed, bgs lb. .11½ - .12¾
triple-pressed, bgs lb. .14¼ - .15½
Succinic, purified, cryst., bbls., works lb .63 - .75

Acid, sulphanilic, tech., dms., c.l., frt. alld. lb. .18 - —
l.c.l., frt. alld lb. .20 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.05 - 2.85
tanks, works ton.16.30 - —
66° Be, cbys., c.l. works 100 lbs. 2.00 - 2.10
l.c.l., works 100 lbs. 2.30 - 3.10
tanks, works ton.20.00 - —
96-100%, tanks, works ton.21.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald. lb. .09¾ - —
l.c.l., same basis lb. .11¼ - .11¾
5 pt. bots., extra, cs., c.l., works, frt. equald lb. .13¼ - —
l.c.l., same basis lb. .14¾ - .20¾
fuming, 20% tanks, works ton.22.40 - —
Tallow, dist., dms lb. .10½ - .11¾
hydrogenated, dms lb. .10½ - .11¾
Tannic, NF, fluffy, bbls., 1,000-lb. lots lb. 1.59 - 1.60
smaller lots lb. 1.65 1.76
powder, bbls., 1,000-lb. lots lb. 1.50 —
smaller lots lb. 1.51 1.69
tech., dms lb. .95 —
Tartaric, USP, dom., 230, 250-lb. dms., 10,000-lb. lots, 1 ship't. lb. .45½ - —
smaller lots lb. .46 - —
100-lb dms lb. .47 - —
small dms lb. .49 - .55
imported, bgs lb. .36 .40
Thioglycolic, refined, bgs., cbys., basis 100% lb. 1.60 1.86
Tobias, bbls., frt. alld lb. .74 - —
Toluenesulphonic, dms., c.l., works lb. .16 - —
l.c.l., works lb .17½ - —

Acid, trichloroacetic, bots lb. 2.00 - 2.50
Trichlorophenoxyacetic (see under "T" 2,4,5-T).
Tungstic, tech., kgs., works lb. 4.30 - —
Undecylenic, dms. lb. 1.40 - —
Aconite leaves, bls lb. .25 - .35
root, bls lb. .55 - .60
Aconitine, amorph., mild, bots oz.27.50 -32.50
cryst., potent, bots oz.78.00 -85.00
Acrolein, dms., works lb. .50 - —
Acrylonitrile, dms., c.l., works lb. .44½ - —
l.c.l., works lb. .45 - .47
tanks, works lb. .43 - —
ACTH, bots gm.40.00 - —
Adeps lanae (see Lanolin).
Adonis vernalis herb, bls lb. .22 - .24
Adrenocorticotropic hormone—see ACTH
Agar, USP, Kobe No. 1 strip, bls. lb. 1.75 - 2.25
powdered, 30 mesh, fib. dms. lb. 2.25 - 2.50
Agaric, white, bls lb. 2.25 Nom.
Agrimony herb, bls lb. .25 - .30
Alanine, dextro-laevo, dms., works. lb. 8.50 -11.00
Albumen (egg), edible, flake, bbls., lb. 2.55 - 2.57
powd., bbls lb. 2.59 - 2.61
tech., cryst., bbls lb. 1.03 - 1.08
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .70 - .80
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾ - —
l.c.l., dlvd lb. .32½ - —
tanks, dlvd. lb. .30 - —
Amyl, ex fusel oil (see Fusel oil, ref.)
ex pentane, dms., c.l., frt. alld. E. of Rockies lb. .20½ - —
l.c.l., frt. alld. E. of Rockies lb. .21½ - —
tanks, frt. alld. E. of Rockies lb. .20 - —

Alcohol, amyl, fermentation, ref'd, 126°-132° C, dms., c.l., dlvd. lb. .32¾ - —
l.c.l., dlvd lb. .33¾ - .36
tanks, dlvd lb. .31 - —
128-132° C., dms., l.c.l., dlvd. lb. .33¾ - .36.
ACS grade, dms., l.c.l., dlvd lb. .35¾ - —
synthetic, normal, dms., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
tanks, works lb. .40 - —
secondary, dms., c.l., frt. alld. E. lb. .23 - —
l.c.l., frt alld. E lb. .24 - —
tanks, frt. alld. E lb. .22½ - —
tertiary, dms., c.l., frt. alld. E. lb. .20¼ - —
l.c.l., frt. alld. E lb. .20¾ - —
tanks, frt. alld. E lb. .19 - —
Benzyl, NF, dms lb. .64 - .80
tech., dms., dlvd lb. .47½ - .49
Butyl, fermentation, normal, dms., c.l., frt. alld lb. .16¾ - —
l.c.l., frt. alld lb. .17½ - —
tanks, frt. alld lb. .15 - —
synthetic, normal, dms., c.l., frt. alld lb. .16¾ - —
l.c.l., frt. alld lb. .17½ - —
tanks, frt. alld lb. .15 - —
secondary, dms., c.l., frt. alld. lb. .12¾ - —
l.c.l., frt. alld lb. .13½ - —
tanks, frt. alld lb. .11 - —
tertiary, dms., c.l., frt. alld. lb. .13¾ - —
l.c.l., frt. alld lb. .14½ - —
tanks, frt. alld lb. .12 - —
Capryl, 85%, dms., c.l., works lb. .15 - —
l.c.l., works lb. .15½ - —
tanks, works lb. .13½ - —
95%, dms., c.l., works lb. .16¼ - —
l.c.l., works lb. .17 - —
tanks, works lb. .15 - —
Cetyl, extra, fib., cns., 500-lb. lots or more lb. 1.32 - —
smaller lots lb. 1.37 - —
NF, fib., cns., 140-lb. lots or more lb. .72 - .95
smaller lots lb. .72 - 1.00
Cinnamic, bots lb. 2.25 - 3.20
Decyl, bots lb. 1.70 - 2.00
Denatured, CD12, CD13, CD14, dms., c.l., dlvd. E. of Rockies gal .68½ - .69¼
l.c.l., dlvd., same basis gal. .72½ - .78½
tanks, dlvd., same basis gal. .56½ - .57½
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .69½ - —
l.c.l., same basis gal. .73½ - .78¼
tanks, same basis gal. .57½ - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, dms., c.l., dlvd. E. of Rockies gal. .69 - .69½
l.c.l., same basis gal. .73 - .78½
tanks, same basis gal. .57 - .57½
SD2B, dms., c.l., dlvd. E. of Rockies gal. .68 - —
l.c.l., same basis gal. .72 - .77
tanks, same basis gal. .56 - —
SD3A, dms., c.l., dlvd. E. of Rockies gal. .67 - .68
l.c.l. same basis gal. .71 - .77
tanks, same basis gal. .55 - .56
SD23A, dms., c.l., dlvd. E. of Rockies gal. .69 - .69½
l.c.l., same basis gal. .73 - .78½
tanks, same basis gal. .57 - .57½
SD23H, dms., c.l., dlvd. E. Rockies gal. .69½ - .70
l.c.l., same basis gal. .73½ - .79
tanks, same basis gal. .57½ - .58
SD27A, dms., c.l., dlvd. E. of Rockies gal. 1.34½ - —
l.c.l., same basis gal. 1.38½ - 1.43¼
tanks, same basis gal. 1.22½ - —
SD29, dms., c.l., dlvd. E. of Rockies gal. .68½ - .70¼
l.c.l., same basis gal. .72½ - .79¼
tanks, same basis gal. .56½ - .58¼
SD30, dms., c.l., dlvd. E. of Rockies gal. .66½ - .68¼
l.c.l., same basis gal. .70½ - .77¼
tanks, same basis gal. .54½ - .56¼
SD35A, dms., c.l., dlvd. E. of Rockies gal. .70 - .72
l.c.l., same basis gal. .74 - .81
tanks, same basis gal. .58 - .59¼
SD40, dms., c.l., dlvd. E. of Rockies gal. .68½ - .70
l.c.l., same basis gal. .72½ - .79
tanks, same basis gal. .56½ - .58
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾ - —
l.c.l., dlvd lb. .14½ - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼ - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½ - —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies gal.20.62 -20.64¼
l.c.l., same basis gal.20.66 -20.73¼
tanks, same basis gal.20.50 -20.52¼
tax free, dms., c.l., dlvd. E. of Rockies gal. .67 - .69½
l.c.l., same basis gal. .71 - .78½
tanks, same basis gal. .55 - .57½
absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies. gal.21.72 -21.74½
l.c.l., same basis gal.21.76 -21.83½
tanks, same basis gal.21.60 -21.62½
Ethylbutyl, dms., c.l., works lb. .29¼ - .29½
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd. E lb. .27¾ - —
l.c.l., same basis lb. .28¾ - —
tanks, same basis lb. .26¼ - —
Furfuryl, tech., cns., works lb. .31 - —
dms., c.l., works lb. .22½ - —
l.c.l., works lb. .24 - —
tanks, works lb. .19½ - —
Isoamyl (see Alcohol, amyl fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .14¾ - .15
l.c.l., works lb. .15½ - .16.
tanks, dlvd lb. .13 - —
Iso-octyl, dms., c.l., works lb. .26¼ - —
l.c.l., works lb. .27 - —
tanks, works lb. .24½ - —
Isopropyl, refd., 91%, dms., c.l., dlvd gal. .5050 - .5225
l.c.l., dlvd gal. .5550 - .5640
tanks, dlvd gal. .3850 - —
95%, dms., c.l., dlvd gal. .52¾ - .53
gal. .52¾ - .53
l.c.l., dlvd gal. .57¾ - .58
tanks, dlvd gal. .40¾ - .41
99%, dms., c.l., dlvd gal. .55 - .56¾
l.c.l., dlvd gal. .60 - .61
tanks, dlvd gal. .43 - —
Lauryl, bots lb. 2.00 - 2.50
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-isobutyl)
Octyl, perfumer's grade, bots lb. 1.70 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, dms lb. 1.57 - 2.18
Polyvinyl, various grades, bgs., ton lots, works lb. .72½ - .76
smaller lots, works lb. .77½ - .81
Propyl, normal, dms., c.l., dlvd. lb. .12 - —
l.c.l., dlvd lb. .13 - —
tanks, dlvd lb. .10 - —
Salicyl (see Saligenin).

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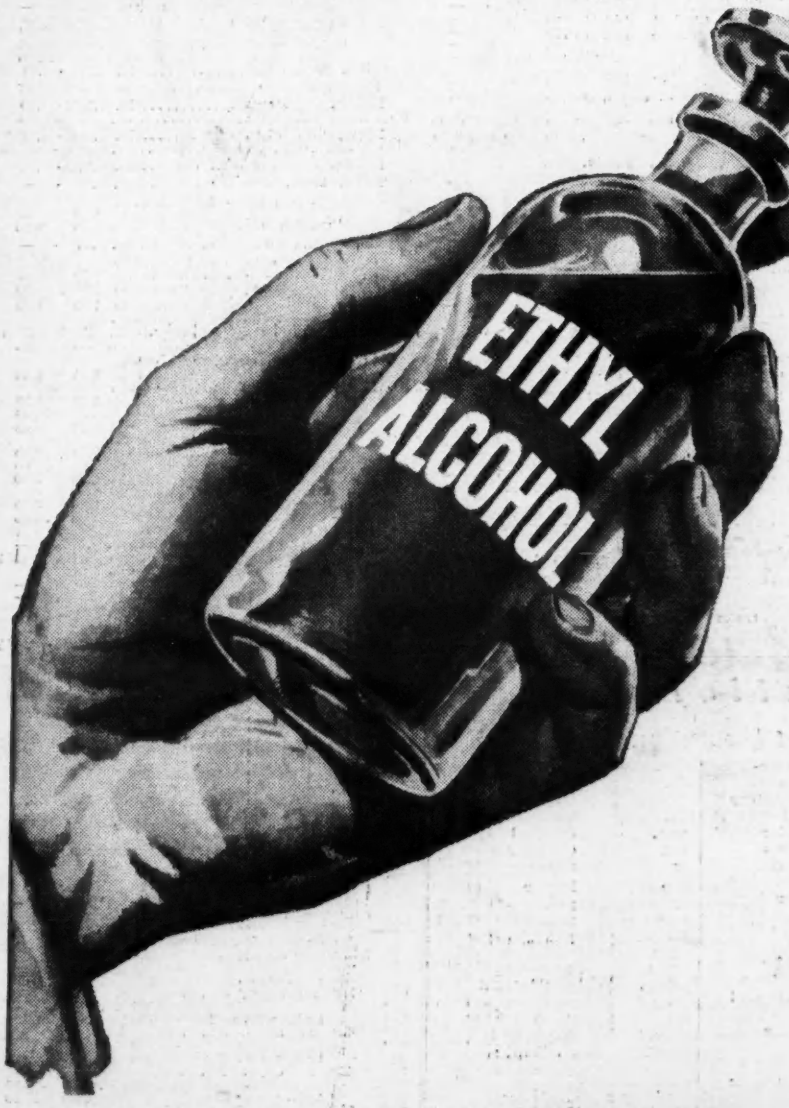

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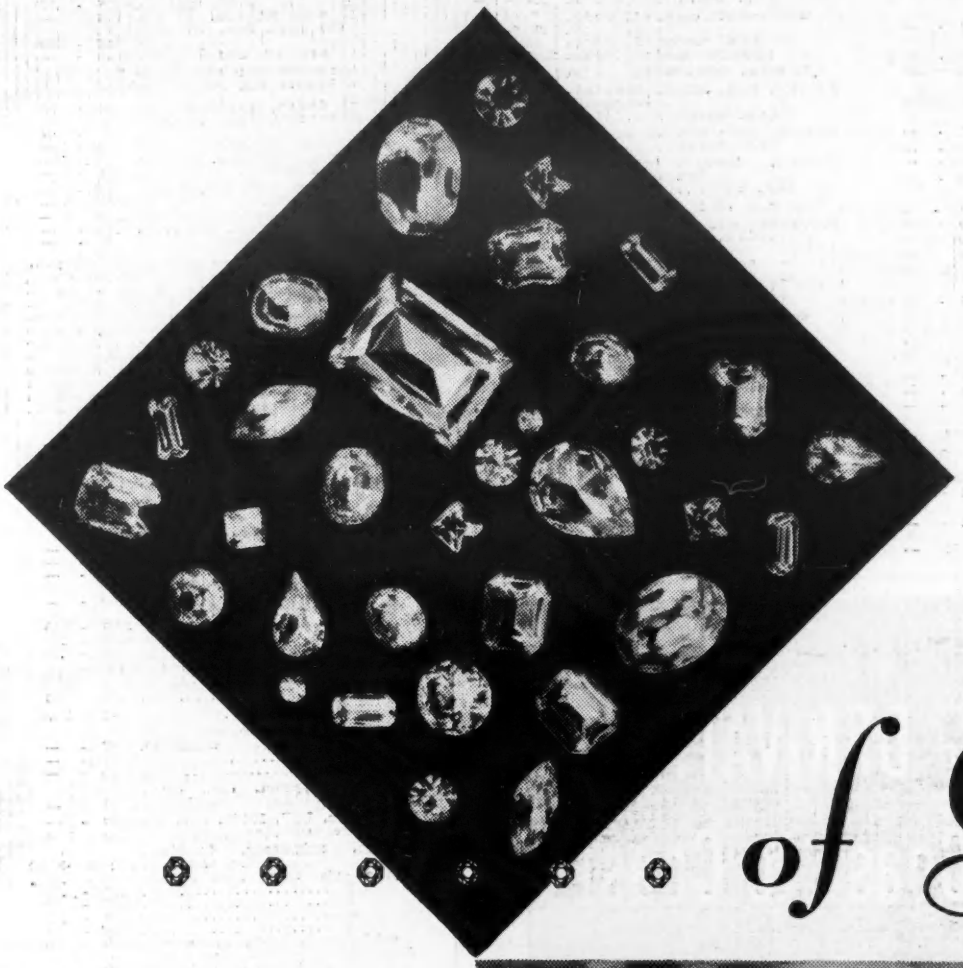
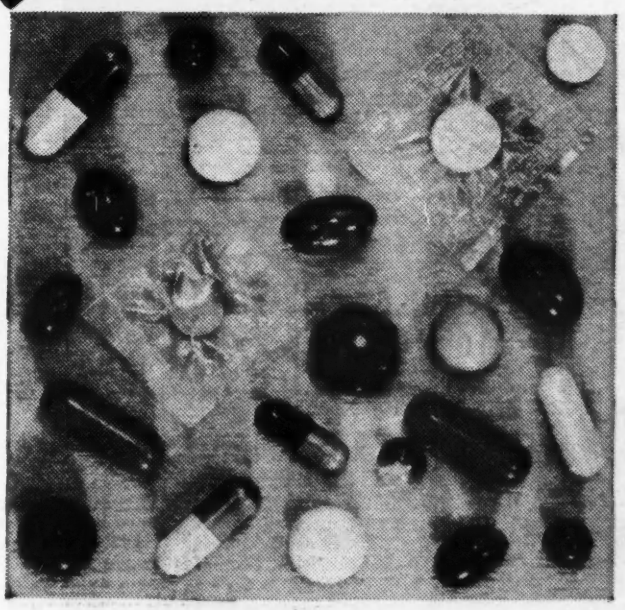


. . . . . of Gem Value



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In the years in which Strong Cobb has led in the development of the private formula division of the drug and pharmaceutical industry, we have never compromised with quality . . . We have never sold imitation "stones" for those of "gem value." And the market for the products we manufacture is as stable as the value of a Kimberley blue-white.

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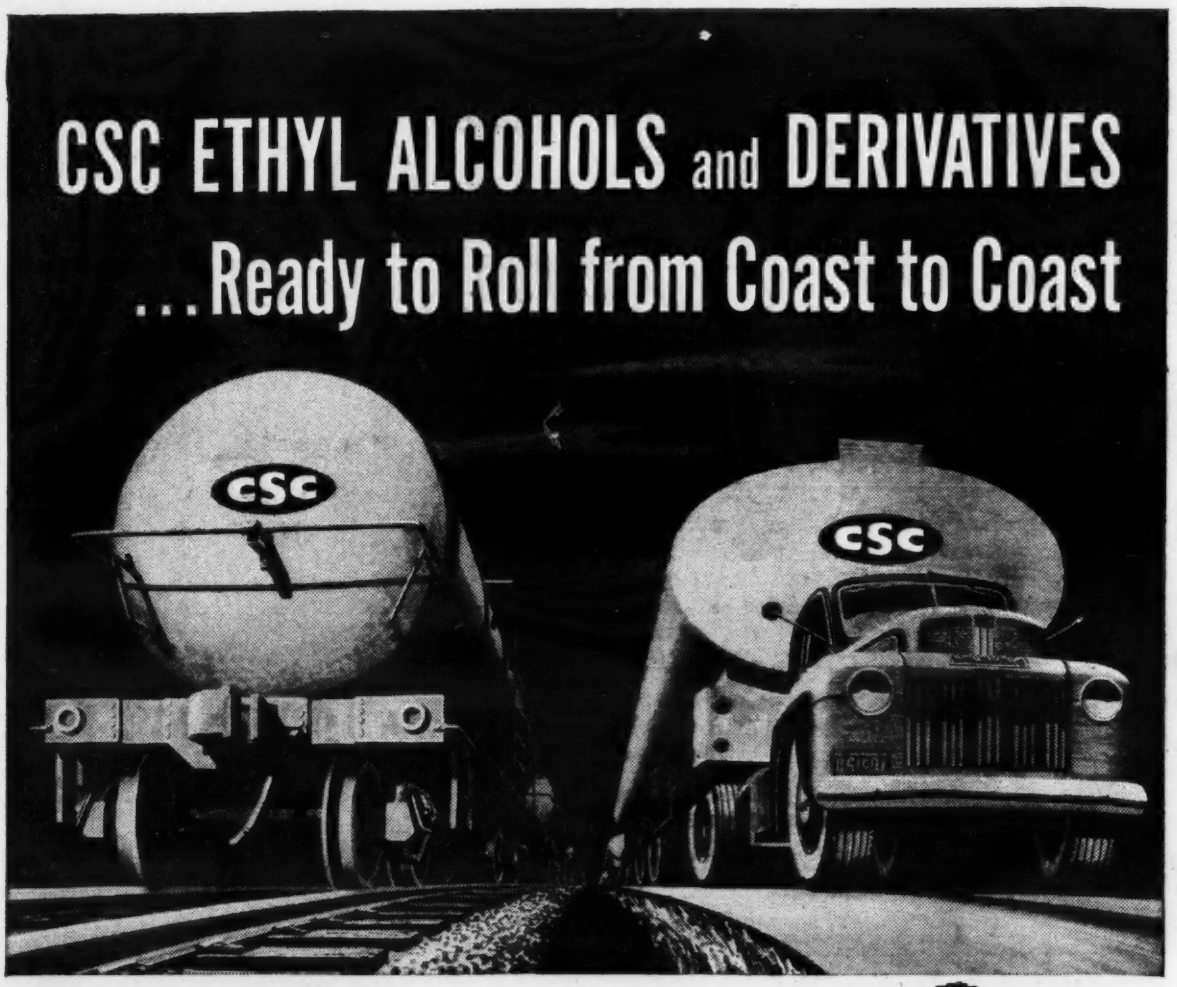
IN CANADA: Strong Cobb of Canada, Ltd., 388 St. Paul St., W., Montreal

Alcohol, Tetrahydrofurfuryl—Amphetamine Sulphate

Alcohol, tetrahydrofurfuryl, cns., Waverly, N. Y. lb. .49½- —
dms., Niagara Falls, N. Y. lb. .42½- —
l.c.l., Waverly, N. Y. lb. .45 - —
tanks, Niagara Falls, N. Y lb. .40 - —
industrial grade, dms. c.l., Niagara Falls, N. Y lb. .29 - —
l.c.l., Waverly, N. Y lb. .30 - —
tanks, Niagara Falls, N. Y lb. .27 - —
Aldol, 95%, dms., works lb. .23 - —
denaturing grade, dms gal. 2.15 - —
Aldrin, 60% solut., dms., c.l., works, frt. alld lb. .93 - —
l.c.l., works, frt. alld lb. 1.05 - —
Aletris root, bgs lb. 1.20 - 1.25
Alizarin (see Red, alizarin).
Alkanet root, bgs lb. .45 - .46
Allethrin, 100%, dms., frt., alld lb.32.00 - —
90%, dms., frt. alld lb.28.80 - —
solution, 20%, dms., 100-lb lots frt. alld lb. 6.65 - —
2½%, dms., frt. alld gal. 7.40 - —
Allspice (see Pimento).
Allyl bromide, cbys., works lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd lb. .16¾- —
l.c.l., dlvd. lb. .17½- —
tanks, dlvd. lb. .15 - —
Starch, solid, dms., works lb. .52¾- .54¾
solution, 40% toluol-butanol, dms., works lb. .25½- .26¼
Aloe, Cape, cs lb. .35 - .38
powdered, cs. lb. .40 - .41
Curacao, kgs. lb. .60 - .65
Socotrine, kgs. lb. .25 - .35
Aloin, USP, bbls., dms., kgs lb. 4.25 - 4.70
Alphanaphthol, bbls., frt. alld lb. .85 - —
Alphanaphthylamine, bbls., frt. alld. lb. .48 - —
Alphanitronaphthalene, bbls., frt. alld lb. .41 - —
Alphapicoline, ret. dms., c.l., works, frt. equald lb. .39½- .49½
l.c.l., works, frt. equald lb. .40 - .50
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol, dms., l.c.l., dlvd. E. lb. .17 - —
Alphatocopherol, bots kilo.250.00 - —
Acetate, bots kilo.250.00 - —
Althea root, NF, peeled, bls lb. .20 - .33
Alum, ammonium, gran., bgs., works 100 lbs. 3.80 - —
lump, dms., works 100 lbs. 4.55 - 4.95
powd., dms., works 100 lbs. 4.70 - 5.10
USP, burnt, dms lb. .20 - .21
hydrous, dms lb. .07¾- .08
Potassium, gran., bgs., works, 100 lbs. 4.05 - —
lump, dms., works 100 lbs. 4.80 - 5.20
powd., dms., works 100 lbs. 4.95 - 5.35
USP, burnt, dms lb. .20 - .21
hydrous, dms lb. .07¾- .08
Potash-chrome, dms lb. .17 - —
Sodium, dms., c.l., works 100 lbs. 4.60 - —
l.c.l., works 100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works, fb. .0385- —
l.c.l., works lb. .0410- .0510
crystalline (see Aluminum oxide).
Aluminum acetate, basic solut., 24%, bbls., l.c.l., works lb. .14 - —
Chloride, com'l, anhyd., dms., c.l., works, frt. equald lb. .13 - —
l.c.l., works, frt. equald. lb. .1550- —
Aluminum chloride, cryst., dms., c.l., works lb. .1030- —
l.c.l., works lb. .1070- —
solution, 32°, cbys., c.l., works, lb. .0368- —
l.c.l., works lb. .0435- .0960
tankcars, works 100 lbs. 2.80 - —
NF, gran., dms., works lb. .29 - .31
Fluoride, tech., anhyd., bbls., c.l., works lb. .11½- —
l.c.l., works lb. .13½- —
Formate, basic solution, cbys. lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton.60.00 - —
l.c.l., works ton.65.00 -85.00
light, bgs., dlvd lb. .17 - —
Hydroxide, gel., pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .22 - —
contract, works lb. .21 - —
9-9½% Al_2O_3, fib. dms., works lb. .19 - —
contract, works lb. .18 - —
dried, USP, XIV, fib. dms., works lb. .82½- —
contract, works lb. .79½- —
powder, tech (see Aluminum hydrate).
Laurate, precip., bbls lb. .44 - —
Metal, 99% +, ingots, 10,000-lb. lots lb. .20 - —
pigs, 10,000-lb. lots lb. .19 - —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour classified, 8-240 mesh, dms, frt. alld lb. .14 - .15
kgs., frt. alld lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
230-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld lb. .31 - —



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Butyl Stearate	Nitroparaffins
Dibutyl Phthalate	Formaldehyde N.F.
Tributyl Phosphate	Pentaerythritol
Methanol	Acetone
Ammonia	Methylamines

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Aluminum oxide, crystalline, flour, classified, 500 mesh, dms., frt. alld. lb. .35 - .37
kgs., frt. alld lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs., frt. alld lb. .50 - —
Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd lb. .36 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld lb. .15 - —
Paste, lining, extra-fine, dms lb. .59½- —
standard, dms lb. .41 - —
Powder, lining, extra fine, dms.lb. .97½- —
standard, dms lb. .68½- —
rubber grade, dms lb. .58½- —
unpolished, standard, dms lb. .54½- —
varnish, standard, dms lb. .50 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can and 5c. to 12c. per lb for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld. lb. .27½- —
Stearate, dibasic, ctns., c.l. lb. .33 - —
ton lots or less lb. .34 - —
monobasic, ctns., c.l. lb. .33 - —
ton lots or less lb. .34 - —
tribasic, ctns., c.l. lb. .33 - —
ton lots or less lb. .34 - —
Sulphate, com'l, bulk c.l., works, 100 lbs. 1.65 - —
ground, bgs., works ton.33.00 - —
lump, bgs., works ton.36.00 - —
iron-free, bgs., c.l., works, frt. equald. 100 lbs 3.25 - —
l.c.l., works, frt. equald 100 lbs. 3.65 - 6.15
USP, gran., dms., works lb. .10 - .12
powd., dms., works lb. .14 - .16
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots oz. 8.00 -10.00
Ambrette seed, bgs lb. .65 - .66
Aminoazotoluene, bbls lb. .94 - 1.03
Aminoethylethanolamine, dms., c.l., works lb. .47 - —
l.c.l., works lb. .47½- —
tanks, works lb. .45 - —
Aminomethylpropanol, cns., dms., works lb. .60 - —
Aminophyllin, USP, 100-lb. dms. lb. 4.30 - —
Aminopyrine, USP, bots., dms lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton.79.00 -80.00
pure, cyls., extra, zone 1 lb. .17 - .17½
2 lb. .17 - .18
3 lb. .17 - .19
4 lb. .20 - .21
5 lb. .16 - .19
refrigeration, tanks, works ton.80.00 -82.50
Aqua (29.4% NH_3), dms., c.l., dlvd. Met. area 100 lbs. 3.60 - —
l.c.l., works 100 lbs. 4.00 - —
tanks, works, anhyd. basis ton.80.00 -86.00
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 8.65 -11.15
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works 100 lbs. 6.50 - —
Ammoniacal liquor, tankcars, works, anhyd. basis ton.75 00 -80.00
Ammonium acetate, purified, dms.lb. .43 - —
Benzoate, USP, dms., kgs., 4,000 lb. lots, frt. alld lb. .80 - —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, bbls., c.l., works ton.312.00 - —
ton lots, ex whse ton.375.00 - —
less ton lots, ex whse ton.386.00 - —
Bicarbonate, dom., dms., c.l., works lb. .06 - —
l.c.l., works lb. .07 - —
imported, dms., l.c.l lb. .07¼- .08¼
Bichromate, bbls., works lb. .33 - .38
Bifluoride, dms., dlvd lb. .18¾- .19¾
Bromide, NF, gran., bbls lb. .38 - .39
dms. lb. .39 - .42
Powdered ammonium bromide 10c. per lb higher
Carbonate, USP, lump, powd., dms lb. .23 - .24
Chloride, tech. (see Ammoniac sal).
USP, gran., bbls., dms lb. .17¼- —
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms lb. 2.40 - —
Iodide, NF, bots., jars lb. 4.01 - 4.13
Linoleate, 80%, dms., works lb. .50 - .55
Nitrate, fertilizer grade, Canadian eastern, 33.5% N, bgs., c.l., shipping point ton.72.50 - —
western, 33.5% N., bgs., f.o.b. cars, Los Angeles ton.86.84 - —
domestic, bgs., western, works ton.64.00 - —
with dolomite, 20.5% N, bgs., Hopewell, Va. ton.51 00 - —
Oleate, 75%, dms., works lb. .55 - .60
Oxalate, fine gran., dms lb. .25 - .31
Pentaborate, gran., bbls., c.l., works ton.222 00 - —
ton lots, ex whse ton.285.50 - —
less ton lots, ex whse ton.290.00 - —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works lb. .50 - .75
Persulphate, kgs. lb. .30 - .35
Phosphate, com'l, bgs., c.l., works, frt. equald lb. .08½- —
l.c.l., same basis lb. .09 - —
dibasic, NF, V, bbls., dms lb. .45 - —
tech., bgs., c.l., works, frt. equald lb. .08½- —
l.c.l., same basis lb. .09 - —
Salicylate, NF, dms., kgs lb. 1.62 - 1.64
Silicofluoride, dms., works lb. .11 - .12
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens ton.46.00 -45.00
synthetic, bgs., c.l., western, works ton.50.00 -54.50
bulk, works ton.47.00 -51.50
purified, dms., works lb. .07½- .08¼
Sulphide, liq., 40-43%, dms., c.l., basis 100%, works ton.211.50 - —
l.c.l., basis 100% works ton.312.50 - —
tanks, dlvd. or frt. alld ton.181.50 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .18 - —
l.c.l., works lb. .19 - .30
Thioglycollate, com'l, cbys., basis 100% lb. 1.60 - —
highly purified, cbys., 100% basis lb. 1.70 - 1.90
Thiosulphate, cryst., photo grade, fib. dms., frt. alld lb. .65 - —
Amphetamine hydrochloride, dibasic, dextro, bots lb.32.00 - —
dextro-laevo, dms lb 6.50 - 7.00
monobasic, dextro, bots lb.32.00 - —
Phosphate, dibasic, dextro, bots.lb.32.00 - —
dextro-laevo, dms lb 6.50 - 7.00
Sulphate, dextro, dms lb.32.00 - —
dextro-laevo, dms lb. 6.50 - 7.00

Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd	lb.	.19¾	.20¾
l.c.l., dlvd	lb.	.20¾	.21¾
tanks, dlvd	lb.	.18	.29
ex pentane, dms., c.l., frt. alld. E. of Rockies	lb.	.20	—
l.c.l., same basis	lb.	.21	—
tanks, same basis	lb.	.18	—
Alcohol (see Alcohol amyl).			
Butyrate, dms	lb.	.90	1.05
Cinnamic aldehyde, dms	lb.	1.80	2.10
Nitrite, USP, bots	lb.	1 75	1 83
Salicylate, cns., dms	lb.	.77	.95
Anethol, NF, cns., dms	lb.	1.20	1.60
Angelica root, dom. bls	lb.	.60	.70
imported, bls	lb.	.50	.60
Angostura bark, bls	lb.	.43	.48
Anilin oil, dms., c.l., works, frt. alld.	lb	.19	—
l.c.l., works, frt. alld	lb.	.20	—
tanks, works, frt. alld	lb.	.18	—
Salt, dms., frt. alld	lb.	.50	—
Anise, Bulgarian, bgs	lb.	.12½	.13
Chinese, star, bgs	lb.	.69	.70
Czech, bgs	lb.	.12½	.13
Mexican, bgs	lb.	.14½	.15
Spanish, bgs	lb.	.15	.15½
Turkish, bgs	lb.	.12½	.13
Anisic aldehyde, bots., dms	lb.	2 35	2.80
Annatto seed, whole, bgs	lb.	.26	—
powdered, dms	lb.	.28	—
Anthracene, 90-95%, ton-lots, works.	lb.	.80	—
less than ton lots, bbls., works.	lb.	.85	—
Anthraquinone, 99.5%, bbls., frt. alld	lb.	.85	.88
Antimony butter (see Antimony trichloride).			
Metal, bulk, c.l., mines	lb.	.29	—
cases, c.l., mines	lb.	.30½	—
Oxide, bgs., c.l., frt. alld	lb.	.30	.36
l.c.l., frt. alld	lb.	.31½	.37½
Sulphide, 62-64%, bgs., dlvd	lb.	.38	.38½
Trichloride, pails, c.l., works	lb.	.43	.47
l.c.l., works	lb.	.45	.49
solution, cbys.	lb.	.29	.30
Antimony-potassium tartrate (see Tartar emetic.			
Antipyrene NF, dms	lb.	2.50	2.60
Apomorphine hydrochloride, USP, bots	oz.	23 40	-23 90
Areca nuts, powd., bbls	lb.	.13	.16
Arecoline hydrobromide, NF, bots. tins	oz.	5.00	5.75
Arginine monohydrochloride, laevo, dms., 1 kilo lots	kilo	77.00	—
Argols, min 50%, bgs., shipment ports, per 100 kilos, basis 100%	lb.	26.00	—
Arnica flowers (true montana), bls.	lb.	.65	.66
root, bls	lb	1.45	—
Arrowroot, powd., bgs	lb.	.11	.14
Arsenic metal, lump, bbls., prompt ship't	lb.	.80	.90
Trioxide, USP, dms	lb.	.43	—
White, powd., bbls., c.l., dlvd	lb.	.05½	—
l.c.l., dlvd.	lb.	.06½	.07½
Asafetida, cs	lb.	.32	.35
powd., bbls., dms	lb.	.50	.53
Asbestine (see Talc, fibrous, N. Y.).			
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines	ton.	1,300.00	—
No. 2, c.l. (20 tons), mines	ton.	675 00	—
Run-of-mine, c.l. (20 tons), mines	ton.	556.00	—
3K, c.l., (20 tons), mines	ton.	436.00	—
3R, c.l. (20 tons), mines	ton.	371 00	—
3T, c.l. (20 tons), mines	ton.	348 00	—
3Z, c.l. (20 tons), mines	ton.	321 00	—
4K, c.l. (20 tons), mines	ton.	173.00	—
4M, c.l. (20 tons), mines	ton.	173.00	—
4T, c.l. (20 tons), mines	ton.	156.00	—
4Z, c.l. (20 tons), mines	ton.	156.00	—
5D, c.l. (20 tons), mines	ton.	122.50	—
5K, c.l. (20 tons), mines	ton.	122.50	—
5M, c.l. (20 tons) mines	ton.	116.50	—
5R, c.l. (20 tons), mines	ton.	110.00	—
6D, c.l. (30 tons), mines	ton.	78.00	—
7D, c.l., (30 tons) mines	ton.	68.50	—
7F, c.l. (30 tons), mines	ton.	65 00	—
7H, c.l. (30 tons), mines	ton.	55.00	—
7K, c.l. (30 tons), mines	ton.	46 00	—
7M, c.l. (30 tons), mines	ton.	40.00	—
7R, c.l. (30 tons), mines	ton.	39 00	—
7T, c.l. (30 tons), mines	ton.	37.00	—
7RF, c.l. (30 tons) mines	ton.	40.00	—
7TF, c.l. (30 tons), mines	ton.	40.00	—
8S, c.l. (30 tons), mines	ton.	27 00	—

Asbestos c.l. prices are in U. S. funds. L.c.l. lots, $4 per ton higher.

Asphalt, gilsonite, mines, seconds, 300°-390° F. fusing point not uniform, bgs., c.l., Craig, Colo.; Heber City, Utah	ton.	34.00	—
select, 350° F. fusing point, bgs., c.l., same basis	ton.	38.00	—
270°-295° F. fusing point, bgs., c.l., same basis	ton.	37 00	—
jet, bgs., c.l., same basis	ton.	34.00	—
Manjak, No. 10, crude, dms., works	lb.	.06½	—
Petroleum, cut-back, tanks, tank-wagon, refinery	gal.	.09	—
emulsion, tanks, tank-wagon, refinery	gal.	.09½	.10
steam-refd., less than 80 penetration, tanks, tankwagon, refinery	ton.	22.00	—
80-300 penetration, tanks, tank wagon, refinery	ton.	21 00	—
Aspirin (see Acid, Acetylsalicylic.)			
Atropine, USP, bots	oz.	5.00	-11.50
Sulphate, USP, bots	oz.	5.60	- 6.50

B

Bacitracin, bulk, 1,000,000 or more units	50,000 units.	.70	—
less than 1,000,000 units	50,000 units.	.73	—
Balm of Gilead buds, dried, bgs	lb.	1.35	1.45
Barberry root bark, bags	lb.	.35	.40
tree bark, bgs.	lb.	.40	.45
Barbital, USP, 100-lb. dms	lb.	5.00	—
Sodium, USP dms	lb.	5.25	5.27
Barium carbonate, precip., bgs., c.l., works	ton.	85.50	—
smaller lots, wks.	ton.	95.50	—
Chlorate, kgs., works	lb.	.34	.38
Chloride, anhyd., bgs., c.l., works. bgs.	ton.	152 00	—
l.c.l., works	ton.	162.00	—
NF, cryst., dms	lb.	.16	—
Chromate, bgs., frt. equald	lb.	.30	—
Dioxide (see Barium peroxide).			
Hydrate, crystals, bgs	ton.	190.00	-200.00
Iodide, bots.	lb.	6.14	—
Monoxide (see Oxide).			
Nitrate, bbls., c.l., works	lb.	.12½	—
l.c.l., works	lb.	.14	—
Oxide, grd., dms., c.l., works	ton.	250.00	—
l.c.l., works	ton.	260.00	—
Peroxide, dms., works	lb.	.16	—
Stearate, cns., c.l.	lb.	.37	—
ton lots	lb.	.38	—
less ton lots	lb.	.39	—
Sulphate, tech. (see Barytes and Blanc fixe).			
X-ray, bbls.	lb.	.14	—
Sulphide, dms., c.l., works	ton.	71.50	—
l.c.l., works	ton.	81.50	—
Baryte ore, approx. 94% $BaSO_4$, bulk, mines	ton.	9.40	-12.50
Barytes, Southern off-color, bgs., mines	ton.	20.00	—
95.75% bgs., mines	ton.	20.00	—
water grd., paper bgs., c.l., St. Louis	ton	37 60	-37 85
ex-whse., N. Y.	ton	53.45	-61 75
Baurite, bulk, mines	ton	9 50	10 00
Bay leaves (see Laurel leaves).			
Belladonna leaf, bls	lb.	.35	.40
root, bls.	lb.	.35	.40
Bentonite, 200 mesh bgs., works	ton	12.50	—
Italian, white, high gel, bgs., l.c.l., works	ton.	71.40	—
5 ton lots	ton	68.90	—
10 ton lots, ex dock	ton.	57.00	—
low gel, bgs., l.c.l.	ton.	69.70	—
5-ton lots	ton.	67 20	—
10 ton lots, ex dock	ton.	55.00	—
Benzal chloride, cbys., works	lb	.22	.23½
Benzaldehyde, NF, dms	lb.	.74	.79
tech., cbys., dms	lb.	.49	.54
Benzene (see Benzol).			
Hexachloride, 99% gamma isomer (see Lindane) tech., bgs., dms., c.l., works, gamma unit	lb.	.013	.015
l.c.l., works, gamma unit	lb.	.019	021
dust, dry, distributors, dms., c.l., dlvd., gamma unit	lb.	.0185-	—
l.c.l., dlvd., gamma unit	lb.	.0223-	—
wet, distributors, dms., c.l., dlvd., gamma unit	lb.	.0280-	—
l.c.l., dlvd., gamma unit	lb.	.0325-	—
Benzidine base, bbls	lb.	1.02	—
Hydrochloride, bbls., frt. alld	lb.	.94	—
Benzocaine, dms	lb.	3.48	3.50
Benzol, pure, nitration, tanks, works, Bethlehem, Pa	gal.	.37	—
Birmingham district	gal.	.30	.35
Chicago district	gal.	.30	.35
Cleveland district	gal.	.30	.35
Geneva, Utah	gal.	.30	—
Johnstown, Pa	gal.	.35	—
Lackawanna, N. Y.	gal.	.37	—
Lone Star, Texas	gal.	.37	—
Lorain, Ohio	gal.	.30	—
Minaqua, Colo	gal.	.35	—
Philadelphia, Pa	gal.	.37	.39
Pittsburgh district	gal.	.30	.35
Sparrows Point, Md.	gal.	.37	—
Syracuse, N. Y.	gal.	.37	—
Terre Haute, Ind.	gal.	.35	—
Wyandotte, Mich.	gal.	.38½	—
Youngstown, Ohio	gal.	.35	—
Benzophenone, dms	lb.	1.40	1.70
Benzonitrile, dms., c.l., works	lb.	.46¾	—
l.c.l., works	lb.	.47	—
Benzotrichloride, cbys., frt. equald	lb.	.15	.20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald	lb.	.20½	.23½
l.c.l., same basis	lb.	.21½	.24½
Peroxide, pure, fib. cns., works	lb.	.90	1.05
Benzyl acetate, t.f.c., cns., dms	lb.	.65	1.05
Alcohol (see Alcohol, benzyl).			
Benzoate, USP, f.f.c., cns., dms	lb.	.80	—
Chloride, tech., cbys., c.l., works, frt. equald	lb.	.21	—
l.c.l., same basis	lb.	.24	—
High grade benzyl chloride, 2c. higher.			
Cinnamate, cns	lb.	3.00	4.00
Formate, cns	lb.	1.60	2.10
Propionate, bots	lb.	1.35	1.80
Salicylate, bots	lb.	1.65	1.85
Benzylidinacetone, bots	lb	1.68	2.45
Benzylisoeugenol, bots	lb.	8.60	9.40
Berberine bisulphate, cns	lb.	35.00	-36.25
Hydrochloride, bots	lb.	35.00	-36.25
Berberis root, bls	lb.	.22	.30
Betagammapicoline, 8°, dms., c.l., works	lb.	.29½	—
l.c.l., works	lb.	.30	—
Betamethylnaphthalene, 32°C m.p., dms., works	lb.	.90	—
Betanaphthol, resublimed, dms., works	lb.	.32½	—
tech., bbls., c.l., works	lb.	.32½	—
l.c.l., works	lb.	.34½	—
Benzoate, fib dms., works	lb.	3.00	—
custom contract	lb.	1.63	1.85
Salicylate, dms	lb	5.00	—
Sulphate, cns	lb.	35.00	-36.25
Betanaphthylamine, tech., bbls., works	lb.	1.05	1.10
Betaphenylethylamine, dms., works, 1,000-lb. lots	lb.	1.10	—
smaller lots	lb.	1.15	1.40
Betapicoline 98%, dms., works	lb	1 05	—
Beth root, bls	lb.	.40	.41
Biotin cryst. bots	gram	10.00	—
Bismuth chloride, jars	lb	5.11	—
Hydroxide, dms	lb	4.65	—
Metal, bxs., ton lots	lb	2.25	—
Nitrate, cryst., dms	lb.	2.10	2.17
Oxide, anhydrous, dms	lb.	4.47	5.05
Oxychloride, dms	lb.	4.37	4.42
Phenolsulphonate, fib. dms	lb.	5.22	—
Subcarbonate, USP, dms	lb.	3.20	—
Subgallate, NF, fib. dms	lb.	3.15	—
Subiodide, fib. dms	lb.	5.37	—
Subnitrate, NF, dms	lb	2.65	—
Subsalicylate, USP, dms	lb.	3.50	—
Bismuth-ammonium citrate, USP, powd., jars	lb.	4.22	—

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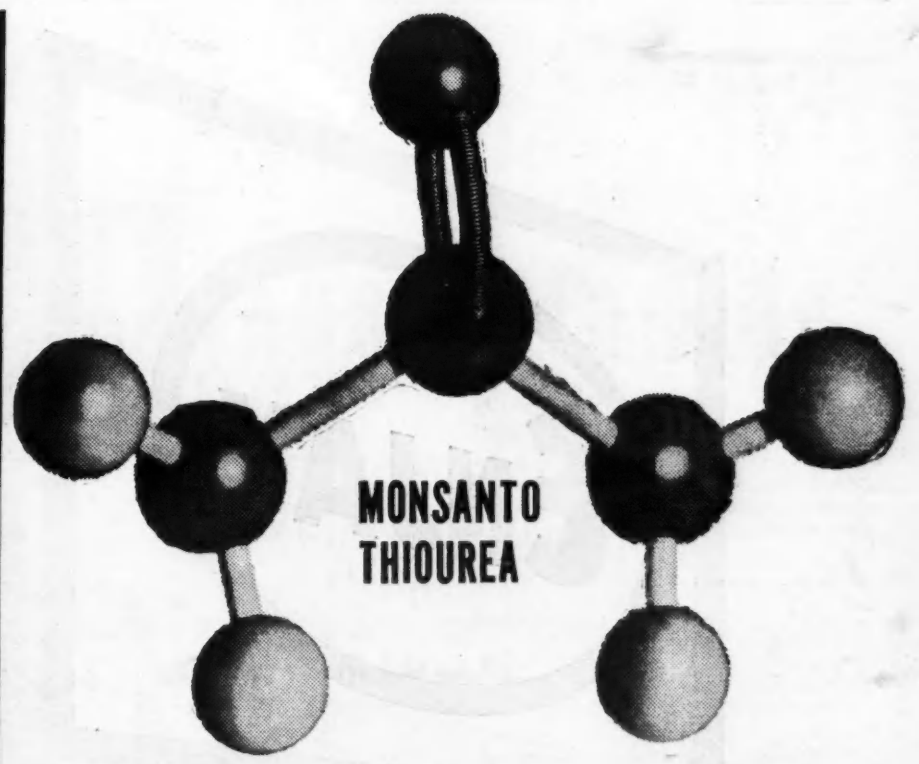

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ortho-Ethylnitrobenzene
ortho-Nitrochlorobenzene
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cs, l.c.l., ship't point.....lb. .20 - .22
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Pacific coast bone black prices, 2c. per lb. higher.
Carbon, channel, heads, bulk, c.l., works..lb .07 - —
bgs., c.l., works.....lb. .0740- —
l.c.l., dlvd. or whse....lb. .1225- —
uncompressed, regular, bgs., c.l., works lb. .10 - —
l.c.l., dlvd. or whse..lb. .10 - —
furnace, fast extruding, bgs., c.l., works..lb. .06 - —
ctns., l.c.l., whse.....lb. .10 - —
high abrasion, bulk, c.l., works lb. .0750- —
bgs., c.l., works.....lb. .0790- —
l.c.l., dlvd. or whse..lb. .1250- —
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse....lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .04 - —
ctns., l.c.l., whse.....lb. .08 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, pure, bgs., c.l., works lb. .1175- —
l.c.l., works.....lb. .12 - —
Lamp, bgs., c.l., works.....lb. .16 - .45
Mineral, bgs., works.....lb. .0160- .0675
Black ash (see Barium sulphide).
Blackberry bark of root, bls.....lb. .25 - .30
root, bls.....lb. .15 - .16
Black dyes (see Dyes).
Black haw, root bark, bls.....lb. .65 - .70
tree bark, bls.....lb. .38 - .40
Black Indian hemp root, bls.....lb. .60 - .61

Blanc fixe, dry, by-product, bgs., c.l., works..ton.100.00 - —
l.c.l., works.....ton.110.00 - —
direct process, bgs., c.l., works. ton.90.00 - —
l.c.l., works.....ton.100.00 - —
N. Y. whse.....ton.120.00 -130.00
pulp, 66⅔%, bbls., c.l., works. ton.84.00 - —
l.c.l., same basis.....ton.92.00 - —
Bleaching powder, dms., c.l., works. 100 lbs. 5.02 - —
l.c.l., works.....100 lbs. 6.52 - —
Blood, dried, 16-16½% ammo., bgs., unit-ton. 8.00 - —
high-grade, unground, 16-17% ammon, bgs., Chicago, unit-ton. 8.50 - —
soluble, bgs., c.l.....lb. .17 - .18½
l.c.l.....lb. .18 - .25
Bloodroot, bls.....lb. .55 - .56
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 2.00 - —
toner, bbls., litho flushed, same basis..lb. 1.10 - —
Chinese, bbls., same basis.....lb. .39¾- .45
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis..lb. 3.85 - —
resinated, bbls, same basis....lb. 3.40 - —
water dispersable.....lb. 1.54 - —
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).

Blue, methyl violet toner, molybdated, PMA bbls., same basis..lb. 2.00 - —
tungstated, PTMA, bbls., same basis..lb. 4.05 - —
Milori, bbls., same basis.....lb. .39¾- .45
Peacock, fugitive, 100% color strength, bbls., same basis. lb. .75 - —
Potash, CP, bbls., same basis..lb. .56 - —
Prussian, insoluble, bbls., same basis..lb. .39¾- .45
soluble, bbls., same basis...lb. .48 - —
Soda, C.P., bronze, bbls., same basis..lb. .39¾- .45
Ultramarine, cobalt type, dry or pulp, bbls., same basis.. regular types, dry, bbls., same basis lb. .15 - .33½
Victoria toner, molybdic, PMA bbls lb. 3.90 - —
tungstated, PTMA, bbls.....lb. 5.35 - —
Blue, dry colors, dlvd. prices ¼c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher. Pac. Coast. Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls.....lb. .45 - .46
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls.....lb. .08 - .12
Bonemeal, raw, 4½% ammon., 50% phos., bgs., works, E..ton.70.00 Nom.
steamed, works, E.....ton.75.00 - —
Bone, phosphate, defluorinated (see D), of lime (see Calcium phosphate, tribasic).
precipitated (see Calcium phosphate, tribasic, NF, precip.).
Bones, raw, bulk, Atlantic ports..ton.60.00 - —
Boneset leaves and tops, bls.....lb. .17 - .20

Borage flowers, bls.....lb. .40 - .49
Borax, tech., anhydrous, bgs., c.l., works..ton.74.50 - —
ton lots, ex whse., N. Y. or Chi..ton.120.23 - —
less ton lots, same basis. ton.125.25 - —
bulk, c.l., works.....ton.67.50 - —
crystals, 99½%, bgs., c.l., works. ton.63.75 - —
ton lots, ex whse., N. Y. or Chi..ton.109.50 - —
less ton lots, same basis. ton.114.50 - —
bbls., c.l., works.....ton.88.25 - —
ton lots, ex whse., N. Y., or Chi..ton.134.00 - —
less ton lots, same basis. ton.139.00- —
bulk, c.l., works.....ton.59.25 - —
granular, 99½%, bgs., c.l., works..ton.37.75 - —
less ton lots, same basis. ton.88.50 - —
ton lots, ex whse., N. Y. or Chi..ton.83.50 - —
bbls., c.l., works.....ton.62.25 - —
ton lots, ex whse., N. Y. or Chi..ton.108.00 - —
less ton lots, same basis. ton.113.00 - —
bulk, c.l., works.....ton.33.25 - —
powder, bgs., c.l., works..ton.42.75 - —
ton lots, ex whse., N. Y. or Chi..ton.88.50 - —
less ton lots, same basis. ton.93.50 - —
bbls., c.l., works.....ton.67.25 - —
ton lots, ex whse., N. Y. or Chi..ton.113.00 - —
less ton lots, same basis. ton.118.00 - —
bulk, c.l., works.....ton.38.25 - —
Borax packed in kgs. $45.50 per ton higher than in paper bgs. UPS borax $15 per ton higher.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point..lb. .161 - .221
l.c.l., same basis.....lb. .171 - .241
Borneol, cns.....lb. 2.25 - 2.50
Borontrifluoride gas, cyls., truckload, works lb. .62 - —
less truckload, works.....lb. .70 - —
Brazilwood extract (see Hypernic extract).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .23 - —
1,000-lb. lots, same basis lb. .27 - —
dms., lead-lined, dlvd.....lb. .25 - —
Bromoform, pharmaceutical grade, bots. lb. 1.62 - 2.60
cbys.....lb. 1.52 - —
Bromstyrol, bots.....lb. 5.40 - 5.70
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works, lb. .75 - .85
moulding, cns., dms., works lb. .85 - 1.00
printing ink, cns., dms., works lb. 1.05 - 1.25
radiator, cns., dms. works lb. .80 - .85
Broomtop, bls.....lb. .30 - .35
Brown, iron oxide, pure, bgs., c.l., works. lb. .1275- —
l.c.l., works.....lb. .13 - —
Oxide, metallic, bgs., works....lb. .0375- —
Sap, crystals, bgs., works ....lb. .12 - —
powdered bgs.....lb. .13 - —
Sienna, burnt, paper bgs., c.l., works..lb. .04¼- .15¼
l.c.l., works.....lb. .04½- .15½
raw, paper, bgs., c.l., works lb. .04½- .13
l.c.l. works.....lb. .04¾- .13¼
Umber, burnt, American, bgs., c.l., works..lb. .06 - —
l.c.l., works.....lb. .06¼- —
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .06¼- —
l.c.l., works.....lb. .06½- —
raw, American, bgs., same basis. lb. .06¼- .06⅛
Turkey type bgs., same basis lb. .06½- .06¾
Vandyke, bbls., works.....lb. .11 - —
Brucine, cns., 100-oz lots.....oz. .33 - .35
Sulphate, NF, cns., 100-oz. lots..oz. .26 - .29
Bryonia root, bls.....lb. .22 - .34
Buchu leaves, bls.....lb. .35 - .40
Buckthorn bark, bls.....lb. .13 - .17
cut and sifted, bls.....lb. .18 - .23
Berries, bgs.....lb. .80 - .90
Burdock root, bls.....lb. .22 - .26
Butadiene, cyls. refinery.....lb. .22 - —
tanks, same basis.....lb. .12½- —
Butane, indust., tanks, group 3 gal. .05 - —
Butternut bark, bls.....lb. .23 - .25
Butyl acetate, fermentation, normal, dms., c.l., frt. alld E..lb. .16 - —
l.c.l., same basis.....lb. .16¾- —
tanks, same basis.....lb. .14¼- —
synthetic, normal, dms., c.l., dlvd. E..lb. .16 - —
l.c.l., same basis.....lb. .16¾- —
tanks, same basis.....lb. .14¼- —
secondary, dms., c.l., dlvd. E. lb. .13¼- —
l.c.l., same basis.....lb. .14 - —
tanks, same basis.....lb. .11½- —
Alcohol (see Alcohol butyl).
Aldehyde, dms., c.l., dlvd.....lb. .22½- —
l.c.l., dlvd.....lb. .23½- —
tanks, dlvd.....lb. .20¾- —
Chloride, dms., c.l., works....lb. .43¼- —
l.c.l., works.....lb. .44 - —
Ether (see Ether butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .34¾- —
l.c.l., same basis.....lb. .35¾- —
tanks, same basis.....lb. .33 - —
Laurate, dms., works.....lb. .39 - —
Methacryiate normal, dms., less truckloads, works lb. .70 - —
Oleate, refd., dms., l.c.l., works lb. .36 - —
Phenylacetate, dms.....lb. 4.50 - 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms., l.c.l., frt. equaid lb. .24 - .27¼
Butylamine, dms., c.l., frt. alld E. of Rockies..lb. .54¾- —
l.c.l., same basis.....lb. .55¾- —
tanks, same basis.....lb .53 - —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars.....lb. 5.56 - 6.75
Metal, ingots or sticks, cs., dlvd. lb. 2.00 - —
Stearate, 50-lb. ctns., l.c.l., frt. equald..lb. 1.25 - —
Caffeine, natural, USP, cryst., dms., 100 lbs. or more lb. 5.25 - —
anhydrous, dms.....lb. 5.50 - —
synthetic, USP, cryst., dms., 100 lbs. or more lb. 3.30 - —
anhydrous, dms., 100 lbs. or more..lb. 3.50 - —
Citrated, USP, dms., 100 lbs. or more..lb. 2.35 - —
Calamine, USP, dms.....lb. .34 - —
Calamus root, dom., natural, bgs.lb. .25 - .30
imported, bleached, bls.....lb. .70 Nom.
stripped, bls.....lb. .30 - .40

The solvents and chemicals sold under the ENJAY* Oval Trade-Mark are outstanding for high quality and dependability. Every day more industries are calling on the long experience of the Enjay Company . . . making greater use of the diversified line of solvents and chemicals marketed by Enjay to increase product quality.
*Trade-Mark

ENJAY COMPANY, INC.
15 W. 51st St., New York 19, N.Y.

ENJAY markets this wide range of industrial chemicals:

Petrohol 91 (Isopropyl Alcohol)
Petrohol 95 (Isopropyl Alcohol)
Petrohol 99 (Isopropyl Alcohol)
Secondary Butyl Alcohol
Isooctyl Alcohol
Isopropyl Acetate
Secondary Butyl Acetate
Acetone
Methyl Ethyl Ketone
Ethyl Ether
Isopropyl Ether
Diisobutylene
Polypropylenes
Butadiene
Isoprene
Dicyclopentadiene
Aromatic Tars
Vistanex
Naphthenic Acids

PARAMINS—Additives for Lubricants and Fuels
Paratone
Parapoid
Paratac
Paranox
Paraflow

ENJAY products are marketed in bulk or in quantities to fit your requirements.

Calciferol, cryst., vials, 250 grams or more, works	gram	.95	—
25 to 249 grams, works	gram	1.00	—
in edible oil dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works	unit	.04¾	—
1,000 to 10,000 standard units, works	unit	.05¼	—
less than 1,000 standard units, works	unit	.05¾	—
Calcium acetate, bgs., dlvd.	100 lbs.	3.00	4.00
Arsenate dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over	lb.	.10	.11
l.c.l., same basis	lb.	.11	.12
Bromide, NF, jars	lb.	.90	.92
Carbide, standard generator size, dms., c.l., dlvd.	ton.	134.40	—
Carbonate (see Chalk and Whiting).			
Chloride, cryst., purified, bbls., jars	lb.	.28	.30
flake, 77-80%, paper bgs., c.l., works, frt. equald	ton.	25.00	—
liquor, 40%, tankcars, works, frt. alld.	ton.	10.50	—
pellets, bgs., c.l., works	ton.	31.25	—
powder, bgs., c.l., works	ton.	35.65	—
solid, 73-75%, dms., c.l., frt. equald	ton.	23.50	—
t.c.l., works, same basis	ton.	32.00	-69.00
USP, gran., bbls.	lb.	.30	—
Chromate, bgs., frt. equald	lb.	.29½	.30
Cyanide, dms., dlvd. E. of Rockies.	lb.	.30	.50
Gluconate, AA, bbls., dms	lb.	.65	.74
USP, bbls., dms	lb.	.58	.67
Glycerophosphate, NF, fib. dms.	lb.	2.00	2.15
Hydride, dms., works	lb.	2.40	3.00
Hypochlorite, high test, cns., cased (45 lbs.) dld. E. of Rockies.	cs.	21.00	-23.00
100-lb. lots, same basis	dm.	25.25	-29.35
Hypophosphite, dms., ton lots or less	lb.	.90	.93
Iodide, jars	lb.	4.32	—
Lactate, USP, dms., 10,000-lb. lots or more, works	lb.	.40	—
smaller lots, works	lb.	.41	.48
Manganate, USP, dms., works	lb.	2.10	2.25
Naphthenate, liq., 4% Ca, dms., frt. equald	lb.	.25¾	—
Nitrate, tech., bbls., works	lb.	.10	.12
fertilizer grade, bgs., c.l., Los Angeles	ton.	49.25	—
Panthothenate, dextro, jars, 100 grams or more, frt. adjusted	gram.	.07½	—
Para-aminosalicylate, fib. dms., 1,000-lb. lots or more, frt. adjusted	lb.	7.00	—
smaller lots, same basis	lb.	7.05	7.50
Phenolsulphonate, dms	lb.	.70	—
Phosphate, dibasic, USP, bgs., c.l., 100 lbs.		7.10	—
l.c.l.	100 lbs.	7.60	7.95
feed grade, bgs., c.l., works	ton.	90.00	—
t.c.l., bgs., works	ton.	95.00	—
monobasic, bgs., 10,000-lb. lots, works, frt. equald	lb.	.0625	—
smaller lots, same basis	lb.	.0675	—
tribasic, precip., NF, bgs., c.l., works	100 lbs.	7.10	—
l.c.l., works	100 lbs.	7.45	—
Phytate, bgs works	lb.	.28	—
Resinate, precip. dms., frt. alld., works	lb.	.27¾	—
Silicate, hydrated, bgs., c.l., works.	lb.	.06	—
t.c.l., works	lb.	.06½	—
Stearate, ctns., c.l.	lb.	.35	—
ton lots	lb.	.36	—
less ton lots	lb.	.37	—
Sulphate (see Gypsum).			
Calcium-strontium sulphide, phosphorescent, steel pails, 100 lb. to 999 lb. lots, works.	lb.	2.60	3.50
fine particle size, same basis, works	lb.	2.85	3.75
Calendula flowers, bls	lb.	.50	.65
Calomel, USP, powd., dms	lb.	4.02	4.05
Camphene, dms., incl., c.l., works.	lb.	.1830	.1930
l.c.l., same basis	lb.	.1880	.2015
tanks, same basis	lb.	.1394	.1690
Chlorinated, 67-69% (see Toxaphene).			
Camphor, monobromated, NF, dms., kgs	lb.	3.00	3.10
natural, USP, powd., 100-lb. lots, bbls	lb.	.55	.60
tablets, 1-oz., ½-oz., cs	lb.	.70	.75
synthetic, tech., bbls., 10 bbls., 1,500-lb. lots	lb.	.55½	—
smaller lots	lb.	.56	.66
USP, gran., powd., bbls., 2,000-lb. lots	lb.	.60	—
1,000-lb. lots	lb.	.61	—
smaller lots	lb.	.62	—
tablets, tins, 2,000-lb. lots	lb.	.93	—
1,000-lb. lots	lb.	.94	—
smaller lots	lb.	.95	—
Canada balsam (see Fir balsam).			
Canella alba bark, bls	lb.	.25	.33
Cantharides, Chinese, cs	lb.	1.05	1.20
powd., bxs	lb.	1.15	1.40
Russian, bgs	lb.	2.80	3.25
powd., bxs	lb.	2.90	3.50
Capsicum (see Pepper, red).			
Oleoresin, NF from domestic pepper dms.	lb.	4.25	5.75
from African pepper, dms.	lb.	4.75	6.25
Caramel coloring, NF, bbls	gal.	1.05	1.20
Caraway seed, Dutch, bgs	lb.	.10	.10¼
Carbazole, 97%, bbls., ton lots, works	lb.	1.25	—
steel-dms., same basis	lb.	1.20	—
Carbinol, methylisobutyl, dms., c.l., dlvd.	lb.	.15¼	—
l.c.l., same basis	lb.	.16	—
tanks, same basis	lb.	.23½	—
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld., competitive points	lb.	.0700	—
l.c.l., same basis	lb.	.0800	—
5-gal. dms., c.l., same basis	lb.	.0950	—
l.c.l., same basis	lb.	.1050	—
tankcars, same basis	lb.	.0490	—
Dioxide, cyls	lb.	.08	—
Tetrachloride, CP, dms., works	lb.	.1097	.1197
NF, chys	lb.	.17	.18
tech., dms., c.l., E. of Rockies, frt. alld.	lb.	.0847	—
W. of Rockies, f.o.b. stock points	lb.	.0897	—
l.c.l., E. of Rockies, frt. alld.	lb.	.1047	—
W. of Rockies, f.o.b. stock points	lb.	.1107	—
tanks, E. of Rockies, frt. alld.	lb.	.0772	—
W. of Rockies, f.o.b. stock points	lb.	.0822	—
Carbromal, NF, dms., 100-lb. lots, works	lb.	4.00	4.23
smaller lots, works	lb.	4.10	4.75
Cardamom fruit, bleached, A, cs.	lb.	4.10	—
medium, cs., afloat	lb.	3.30	—
decorticated, Alleppey, cs	lb.	3.00	3.10
Guatemalan, cs	lb.	2.70	2.85
Mangalore type, cs	lb.	2.50	2.55
green, Alleppey, bgs	lb.	2.40	2.45
Ceylon, bgs	lb.	2.40	2.45
seed (see Cardamom fruit, decorticated).			
Carmine No. 40, NF, bulk, 100 lbs. or more, dlvd	lb.	5.50	—
smaller lots, dlvd.	lb.	5.65	6.15

Carotene, crystals, research grade, pure alpha or beta ampuls, 10 mg.		5.00	—
90% beta, 10% alpha, ampuls, 100 mg.		2.00	—
gram quantities, ampuls, gm.		5.00	—
technical, 1,330,000 A units per gram ampuls	gm.	.67½	—
tins, works	gm.	.50	—
dry powder, 3,330 A units per gram, tins	lb.	.81	—
emulsion (in milk), 600,000 A units per 16-oz. can	per can.	1.00	—
in vegetable oil, 166,666 A units, per gram	lb.	25.24	—
50,000 A units per gram, cns	lb.	7.86	—
3,330 A units per gram cns	lb.	.85	—
feed grade 5,000,000 to 8,000,000 A units, per lb., dms., works million units.		.18	—
microcrystalline, in oil, 400,000 A units per gram, tins, works	million units.	.30	—
Carvol, bots	lb.	6.75	-10.50
Cascara sagrada bark, bulk	lb.	.27	.28
Casein, dom., acid-precip, standard, bgs., 10,000-lb lots or more, ship't point	lb.	.28	.32
premium bgs., 10,000-lb. lots or more, ship't point	lb.	.36½	.40
imported, Argentine, acid-precip., grd., 100-bg., lots or more, ex dock	lb.	.18¾	.19½
other origins, rennet, bgs, 10,000-lb. lots or more, ex dock	lb.	.21½	.95
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J.	lb.	.22	—
ton lots, same basis	lb.	.23	—
dm., lots, same basis	lb.	.25	—

Cassia, Batavia, cuttings, bls. afloat	lb.	.14½	.15
longstick	lb.	.16	.18½
shortstick, bls	lb.	.16	.17
China, Canton, Kwangsi rolls, select, cs.	lb.	.23	.23½
broken, bls	lb.	.22	—
Honan, Yunnan, scraped, bls	lb.	.23	Nom.
unscraped, bls	lb.	.27½	.28
Saigon, broken, bls	lb.	.34	.36
medium, bls	lb.	.38	.49
thin, bls	lb.	.52	.54
Cassia, buds, bgs	lb.	.58	.59
Fistula, bskts	lb.	.25	.30
Castor beans, bgs. f.o.b. Brazilian ports	long ton.	170.00	-Nom.
Oil (see Oil, castor)			
Pomace, bgs., c.l., works	ton.	37.25	—
Castoreum, artificial, cns	lb.	9.00	9.25
natural, cns	lb.	7.00	30.00
Catechol, CP, cryst., fib. dms., works	lb.	2.17½	—
resublimed dms., works	lb.	4.29½	—
Catnip leaves, southern bls	lb.	.65	.70
Celery seed, French, bgs	lb.	.40	—
Indian, bgs	lb.	.26½	.27
Celluloid scrap (see Pyroxylin scrap).			
Cellulose acetate flake, ctns., dlvd.	lb.	.43	.48
extrusion compounds, translucent, metallic pearls, special black, dms., c.l., same basis	lb.	.55	—
l.c.l., same basis	lb.	.58	—
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld.	lb.	.50	—
l.c.l., same basis	lb.	.53	—
regular black, dms., l.c.l., same basis	lb.	.43	—

Cellulose acetate, molding and extrusion transparent, dms., c.l., same basis	lb.	.55	—
l.c.l., same basis	lb.	.58	—
Acetate-butyrate, flake, 16% butyryl content, standard cartons, works	lb.	.64	—
17% butyryl content, standard cartons, works	lb.	.54	—
27% butyryl content, standard cartons, works	lb.	.64	—
33% butyryl content, low viscosity, standard cartons, works	lb.	.63	—
medium viscosity same basis	lb.	.54	—
50% butyryl content, standard cartons, works	lb.	.63	—
molding composition, plain colors, pearls, transparents, special black dms., l.c.l., frt. alld	lb.	.65	—
regular black dms. t.c.l., same basis	lb.	.53	—
Triacetate, flake ctns., works, frt. alld. on 100-lb. lots or more	lb.	.52	—
Cerium hydrate, dms., works	lb.	1.44	1.60
Oxalate, NF, bbls., bgs., works	lb.	No prices.	
Oxide, optical grade, bgs., 50-lb. lots or more, works	lb.	1.75	- 1.95
smaller lots, works	lb.	1.80	2.25
Chalk precip., cosmetic, dentifrice, drugs, bgs., c.l. works	lb.	0295	.035
l.c.l., ex whse	lb.	0297	.05
paint, bgs., c.l., works	ton.	40.50	—
papermakers, bgs., c.l., works, ton		32.50	-40.00
rubber makers, bgs., c.l., works.	ton.	55.00	-60.00

KAY-FRIES

Cyanoacetamide

$CNCH_2CONH_2$

CYANOACETAMIDE (both a nitrile and an amide) is another Kay-Fries intermediate with a cyano-activated methylene group. It is now used in the syntheses of vitamins and barbiturates. Potentially its usefulness can be expanded. It has been suggested as an intermediate for special resins, substituted piperidines and pyridones, new pharmaceuticals and general organic synthesis.

KAY-FRIES SPECIFICATIONS...

purity	99.0% min.
melting point	119.0°-122.0°C (meniscus to complete melt)
ash	.05% max.
solubility	1 gm. completely soluble 9 gm.dist.H_2O

Typical reactions of CYANOACETAMIDE

REDUCTION

$CNCH_2CONH_2 + 2H_2 \xrightarrow{\text{catalyst}} NH_2CH_2CH_2CONH_2$ (amide of β-alanine)

DEHYDRATION

$CNCH_2CONH_2 \xrightarrow{\text{catalyst}} CNCH_2CN + H_2O$ (malononitrile)

CONDENSATIONS

$2CNCH_2CONH_2 + RR'C{=}O \xrightarrow{\text{catalyst}} RR'CCH(CN)CONHC(=NH)CHCONH_2 + H_2O$

(RR'C=O: ketone or aldehyde; substituted piperidine)

$CNCH_2CONH_2 + RCOCR'HCOR'' \xrightarrow{\text{catalyst}} RC{=}C(CN)CONHCR''{=}CR' + 2H_2O$

(RCOCR'HCOR'': diketone; substituted pyridone)

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Plant—West Haverstraw, N. Y.

Chamomile Flowers—Copra

Chamomile flowers, Hungarian and Hungarian style, cs.	lb.	.80	Nom.
Roman, cs.	lb.	.75	.80
Charcoal, activated, NF, fib. dms., c.l., works	lb.	.25	.32
5-ton lots, works	lb.	.26½	.32½
smaller lots, works	lb.	.27	.50
Bone (see Black, bone).			
Hardwood, briquets, bgs., c.l., works	ton.	77.00	88.00
bulk, c.l., works	ton.	70.40	—
granular, bgs., works	ton.	77.00	—
Pinewood, gran., powd., bgs., c.l., works, South	ton.	43.50	—
l.c.l., works	ton.	43.50	53.50
lump bgs., c.l., works, South	ton.	40.00	—
l.c.l., works, South	ton.	50.00	60.00
bulk, c.l., works, South	ton.	33.50	—
Chestnut extract, 25% tannin, bbls., c.l., works	lb.	.0310	—
l.c.l., works	lb.	.0543	—
tanks, works	lb.	.0425	.0440
powd., 60% tannin, bgs., extra, c.l., works	lb.	.1089	—
l.c.l., works	lb.	.1165	—
Chloral, tech., 94% min., dms., c.l., works	lb.	.23	—
l.c.l., works	lb.	.24	—
tanks, works	lb.	.21	—
Hydrate, USP, 40-lb. jars, 1,000-lb. lots	lb.	1.30	—
500-lb. lots	lb.	1.33	—
100-lb. lots or less	lb.	1.35	1.40
Chloramine T, NF, bbls., works	lb.	.75	1.00
Chlordane, agricultural, dms., pails, c.l., frt. alld.	lb.	.63	—
l.c.l., frt. alld.	lb.	.66	.73
refined, dms., c.l., frt. alld.	lb.	.75	—
l.c.l., frt. alld.	lb.	.76	.83
Chlorinated paraffin, 42%, dms., c.l., frt. alld.	lb.	.14	—
l.c.l.	lb.	.14¾	—
70%, dms., c.l., same basis	lb.	.18	—
l.c.l., same basis	lb.	.19	—
rubber, 5, 10, 20 cps., ctns., c.l., works	lb.	.55	—
l.c.l., works	lb.	.57	—
125, 1,000 cps., ctns., c.l., works	lb.	.60	—
l.c.l., works	lb.	.61	.62
Chlorine, liquid, cyls., c.l.	lb.	.03¾	—
l.c.l., N.Y., stock points	lb.	.10¼	—
tanks, single units, works, frt. equald	100 lbs.	2.70	—
W. of Rockies multiple units, 3 cars, works, frt. equald	100 lbs.	3.10	2.82½
2 cars, same basis	100 lbs.	3.80	—
1 car same basis	100 lbs.	4.46	—
Chloroform, tech., dms., c.l., dlvd. E.	lb.	.18	.182
l.c.l., same basis	lb.	.192	.20
tanks, same basis	lb.	.17	.171
USP, dms.	lb.	.30	.35
Chloro(4)-2-Toluidine, bbls.	lb.	1.38	—
Chlorophyll, oil soluble, 4%, not fixed, tins, pails, works	lb.	3.75	4.50
copper fixed, 6%, tins, pails, works	lb.	6.00	6.50
Sodium-copper, dms., pails, aqueous sol., 4%, works	lb.	4.25	—
8%, pails, dms., works	lb.	6.83	7.00
14%, dms., works	lb.	12.60	—
concentrated, dom., 50%, dms., works, basis 100%	lb.	85.00	90.00
75%, dms., works, basis 100%	lb.	85.00	95.00
90%, dms., works, basis 100%	lb.	85.00	105.00
Chlorophyll, oil soluble, sodium-copper, conc., imported, 60%, dms., basis 100%	lb.	60.00	65.00
75%, dms., basis 100%	lb.	60.00	65.00
90%, dms., basis 100%	lb.	60.00	65.00
Chloropicrin, com'l, bots.	lb.	1.50	—
cyls., 180 lbs., frt. alld.	lb.	.95	—
100 lbs., same basis	lb.	.97	—
25 lbs., same basis	lb.	1.22	—
Cholesterol, USP, fib. dms., 100-lb. lots	lb.	8.80	9.50
5-lb. pkg.	lb.	9.00	10.50
1-lb. pkg.	lb.	9.50	10.50
Choline bitartrate, fib. dms., frt. adjusted	lb.	1.70	1.95
Chloride, fib. dms., same basis	lb.	1.70	1.95
Dihydrogen citrate, fib. dms., same basis	lb.	1.70	1.95
Chromium acetate, powd., 72% Cr., bbls., works	lb.	No stocks.	
solut., 7½% bbls., works	lb.	.08½	—
cbys.	lb.	.10¼	—
8½%, bbls., works	lb.	.09	—
cbys.	lb.	.10¾	—
Fluoride, bbls., works	lb.	.44½	—
Green (see Green, chromium).			
Oxide (see Green, chromium oxide).			
Oleate, solid, bbls	lb.	.49	—
Trioxide, NF, bots	lb.	.82	.89
Yellow (see Yellow, chrome).			
Chrysarobin, USP, bots.	lb.	9.02	—
Cinchona bark, NF, red, broken, bgs	lb.	.28	.30
yellow, broken, bgs	lb.	.28	.30
Cinchonidine, cryst., cns., 100 ozs.	oz.	.71	.72
Sulphate cns., 100 ozs	oz.	.37	.40½
Cinchonine, cryst., cns., 100 ozs.	oz.	.52	.57
Sulphate NF, cns., 100 ozs.	oz.	.27	.30½
Cinchophen, NF, heavy density, dms., frt. adjusted	lb.	3.70	4.05
standard density, dms., same basis	lb.	3.50	3.85
Cinchophen-sodium, dms., frt. adjusted	lb.	4.50	4.85
Cinnamic alcohol (see Alcohol cinnamic).			
Aldehyde, NF, cns., dms.	lb.	1.05	1.30
Cinnamon, Ceylon, No. 2, bls.	lb.	.23½	—
Citral, bots., cns.	lb.	3.50	3.75
Citronellal, bots., dms.	lb.	1.65	2.00
Citronellol, bots., dms.	lb.	2.05	2.45
Civet, artificial, bots.	lb.	13.75	15.00
natural, bots.	oz.	3.50	7.00
Clay, ball, dom., crushed, bulk, Tennessee	ton.	10.00	12.00
airfloated, bgs., c.l., Tennessee.	ton.	19.50	—
purified, bgs., c.l., Tennessee.	ton.	20.50	—
imported, lump, bulk, Atlantic port	long ton.	27.00	30.00
airfloated, bgs., c.l., Atlantic port, long	ton.	43.00	45.00
pulverized, bgs., l.c.l., all ports	ton.	55.00	—
97%, 200 mesh, bgs., c.l., Georgia	ton.	54.00	56.00
China, dom., dry-grd., air-float, 99%, 300 mesh bgs., c.l., works	ton.	11.50	14.50
l.c.l., works	ton.	35.30	—
bulk, c.l., works	ton.	8.50	11.50
200 mesh, bgs., c.l., works	ton.	13.50	17.00
imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me.	gross ton.	20.00	40.00
powd., bgs., c.l., ex dock	net ton.	50.00	—
l.c.l., ex whse.	net ton.	60.00	65.00
Clove, Madagascar, bls.	lb.	1.27	1.28
Zanzibar, bls.	lb.	1.30	—
Clover tops, red, bgs.	lb.	.45	.50
CMC, purified, high vis., (see Gum, cellulose). standard low vis., bgs., 23,000 lbs. or over, works, frt. alld.	lb.	.60	—
smaller lots, same basis	lb.	.62	—
medium vis., bgs., 23,000 lbs. or over, works, frt. alld.	lb.	.57	—
smaller lots, same basis	lb.	.59	—
technical, high vis., 58% purity, bgs., 20,000 lbs or more, dlvd. E., 100% basis	lb.	.56	—
2,000 to 20,000 lbs., dlvd. E.	lb.	.58	—
CMC, tech., high vis., 58% purity, bgs., less than 2,000 lbs., dlvd. E.	lb.	.62	—
low vis., 62% purity, bgs. or fib. dms., c.l., dlvd. E., basis 100%	lb.	.46	.47
l.c.l., dlvd. E., basis 100%	lb.	.48	.49
58% purity, bgs., c.l., dlvd. E. net weight basis	lb.	.34	—
l.c.l., dlvd. E	lb.	.36	—
47½% purity, bgs., c.l., dlvd., E., 100% basis	lb.	.46	—
l.c.l., dlvd. E	lb.	.48	—
36½% purity, bgs., c.l., dlvd. E., net weight basis	lb.	.18½	—
l.c.l., dlvd E	lb.	.20	—

Prices for technical grades of CMC West of the Rocky Mountains are 1c. per pound less than delivered prices.

Coaltar, coal gas, water gas, crude, resale dms. c.l., ex-whse.	gal.	.24	.27½
l.c.l., ex-whse	gal.	.26	.28½
tanks, ex-whse	gal.	.14	.15
refd., resale, dms., c.l., ex-whse	gal.	.25	.28½
l.c.l., ex-whse	gal.	.27	.29½
tanks, ex-whse	gal.	.15	.16
Cobalt acetate, 23.7% bbls., dlvd	lb.	1.14¼	—
Carbonate, 48%, powd., bgs., dlvd	lb.	1.92¼	—
Chloride, 24.2% Co., kgs., dlvd.,	lb.	1.10½	—
Hydrate, 60-61% Co., bbls., dlvd.	lb.	2.52	—
Linoleate, fused, 8½% Co., dms.	lb.	.64½	—
liquid, 6% Co., dms	lb.	.53¼	—
Metal, 97.99%, kgs., ex-whses.	lb.	2.40	—
Naphthenate, liq., 6% Co., dms.,	lb.	.42¾	—
Nitrate, 20.1% Co., bbls., dlvd.	lb.	.99¼	—
Oxide, black, 70-71% Co., kgs.	lb.	1.76	—
Phosphate, powdered, 32.1% Co., kgs., dlvd.	lb.	1.57¾	—
Resinate, fused, 3% Co., dms.	lb.	.27	—
Sulphate, cryst., 21% Co., dms., dlvd	lb.	.81¼	—
monohydrated, 33% Co., dms. dlvd.	lb.	1.28½	—
Cocaine, USP, cns., 100-oz. lots	oz.	15.00	—
Hydrochloride, cns. 100-oz. lots	oz.	11.75	—
Cochineal, USP, gray, bgs.	lb.	.68	.90
Cocillana bark, bgs.	lb.	.16	.17
Cocoa butter, bgs.	lb.	.69½	—
Codeine, NF, cns., 100-oz. lots	oz.	13.25	—
Hydrochloride, cns., 100-oz. lots.	oz.	11.75	—
Phosphate, USP, cns., 100-oz. lots.	oz.	10.25	—
Sulphate, USP, cns., 100-oz. lots.	oz.	10.75	—
Codliver oil (see Oil, codliver).			
Cohosh root, black, bls.	lb.	.22	.25
Blue, bls.	lb.	.17	.18
Colchicine, USP, bots., cns.	oz.	74.50	77.50
Colchicum root, bls.	lb.	.45	.60
Seed, bgs.	lb.	.80	1.10
Collodion, USP, dms.	lb.	.32½	—
flexible, USP, dms.	lb.	.34	—
Colocynth pulp, bls.	lb.	.30	.35
Colombo root, bls., to arrive	lb.	.22	—
Coltsfoot leaves, bgs.	lb.	.25	.30
Condurango bark, bgs.	lb.	.17	.18
Copaiba balsam, cns., dms.	lb.	1.35	1.75
Copper acetate, bbls., c.l., works	lb.	.34¾	—
l.c.l., works	lb.	.35¾	—
Carbonate, 55%, bgs., works	lb.	.22	.23½
Chloride, anhyd., bbls., works	lb.	.34½	—
crystals, bbls., works	lb.	.22¾	—
Citrate, USP, 5-lb. bots	lb.	2.40	—
Cyanide, tech., bbls., over 1,000 lbs.	lb.	.613	—
under 1,000 lbs.	lb.	.633	—
Gluconate, cns., dms.	lb.	3.00	3.24
Hydrate, dms., frt. alld. E. Miss.	lb.	.36	.36½
Metal, electrolytic	lb.	.34½	.37½
Naphthenate, liquid, 8% Cu, dms., frt. alld.	lb.	.22¾	—
Nitrate, tech., cryst., bbls., works.	lb.	.25¼	—
Oleate, solid, 9% Cu, dms., works.	lb.	.45	—
Oxide, black, bbls., works	lb.	.39	.40
red, com'l, bbls., c.l., works.	lb.	.43¼	—
l.c.l., works	lb.	.43¾	—
Oxychloride-sulphate, bgs., frt. alld.	lb.	.24¼	Nom.
Quinolinalate, fib. dms.	lb.	4.25	4.50
Resinate, precip., dms., frt. alld.	lb.	.27½	—
Stearate, ton lots, works	lb.	.38½	.39½
less ton lots, works	lb.	.40½	—
Sulphate, cryst., 99%, bgs., c.l., works.	100 lbs.	8.95	9.95
l.c.l.	100 lbs.	9.20	10.95
CP, cryst., gran., bbls., works.	lb.	.1615	—
monohydrated, 35%, dms., c.l., works.	100 lbs.	14.95	15.50
tribasic, dealers, bgs., c.l., works, frt. alld.	100 lbs.	25.50	—
l.c.l., works	100 lbs.	27.10	—
USP, gran., cryst., dms.	lb.	.1615	.2500
Undecylenate, dms.	lb.	2.90	3.00
Copperas, gran., bgs., c.l., works	ton.	28.50	—
l.c.l., dlvd. Metro area	100 lbs.	3.00	—
bbls., c.l., works	ton.	34.00	—
bulk c.l., works	ton.	21.00	—
Copra, Atlantic Gulf ports, c.i.f.	ton.	137.50	—
Pacific ports, c.i.f.	ton.	132.50	—

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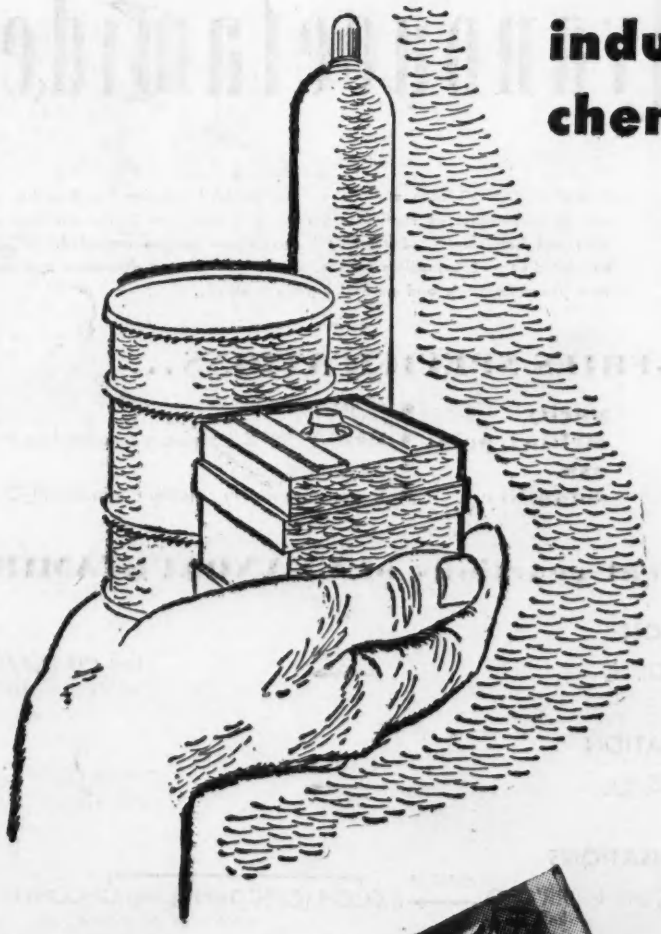

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Coriander seed, Argentine, bgs...lb. .06¼- .09
Czech, bgs...lb. .07 - .07¼
Moroccan, bgs...lb. .06 - .06½
new crop, futures, bgs...lb. .05¾- —
Roumanian, bgs...lb. .07½- .08
Corn sugar tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 7.45 - —
Syrup, 42°, dms., c.l...100 lbs. 7.47 - —
l.c.l. ...100 lbs. 7.62 - —
Cornsilk, bls...lb. .12 - .14
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more...lb. 3.68 - —
gran. powd., dms., 50 lbs. or more...lb. 3.53 - —
Cottonroot bark, bls...lb. .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, Memphis...ton.80.00 Nom.
Coumarin, cryst., NF, cns...lb. 2.94 - 3.15
powd., cans...lb. 3.20 - 3.25
Cramp bark, NF, bls...lb. .80 - .90
Cranesbill root, bls...lb. .40 - .41
Cream of tartar, NF, dom., gran. or powd., bbls., 5,000 lbs. one shipment...lb. .39½- —
smaller lots, bbls., kgs...lb. .40 - .43
imported, kgs...lb. .31 - .32
Cresote carbonate, NF, bots., cbys. lb. 2.80 - 2.90
Coaltar, crude, tanks, works, frt. adjusted gal. .20 - —
solution, 80%, tanks, works, gal. .188 - —
refined, dms., c.l., works gal. .35 - —
l.c.l., same basis...gal. .41 - —
tanks, same basis...gal. .27 - —
Wood, beechwood, cbys., dms...lb. 1.35 - 1.40
hardwood, bots., cbys...lb. 1.05 - 1.10
pinewood, dms...gal. .31 - .32
Cresol, tech., dry, above 207°C, non-ret. dms., c.l. frt. equald. lb. .158 - —
l.c.l., same basis...lb. .161 - —
ret. dms., c.l., same basis. lb. .155 - —
l.c.l., same basis...lb. .16 - —
tanks, same basis...lb. .145 - —
USP, non-ret. dms., c.l., same basis...lb. .168 - —
l.c.l., same basis...lb. .171 - —
ret. dms., c.l., same basis...lb. .161½ - —
l.c.l., same basis...lb. .17 - —
tanks, same basis...lb. .155 - —
Crotonaldehyde, 91-93%, l.c.l., works. lb. .24¼- .25
Cryolite, nat., industrial, bgs., c.l., works...100 lbs.10.50 - —
l.c.l., works...100 lbs.11.25 -11.50
Insecticide, dealers, bgs., c.l., dlvd...100 lbs.15.25 - —
l.c.l., dlvd. ...100 lbs.16.25 - —
Cubs root, powd., 5% rotenone, bgs., works...lb. .22 - .28
Cubeb berries, XX NF, bgs...lb. .45 - .52
powd., cs...lb. .55 - .60
Culvers root, bbls...lb. .60 - .61
Cumene, dms., c.l., works...lb. .12 - —
l.c.l., works...lb. .14 - —
tanks, works...lb. .11 - —
Cumin seed, Indian, bgs...lb. .17½- .18
Iranian, bgs. ...lb. .17¼- .17½
Moroccan, bgs...lb. .18 - .18½
Syrian, bgs...lb. .17½- .18
Cutch extract 55% tannin bgs., ex dock, duty extra...lb. .08¼- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bgs., Niagara Falls, Ont., contract...ton.62.50 - —
pulv., 21% N, bgs., works...unit ton. 2.90 - —
Cyclohexane, tech., 95%, dms., c.l., dlvd...lb. .11 - —
l.c.l., dlvd. ...lb. .11¾- —
tanks, dlvd. ...lb. .09¼- —
Cyclohexanol, tech., dms., c.l., works...lb. .37¾- —
l.c.l., works ...lb. .38¼- —
tanks works ...lb. .36¼- —
Cyclohexanone, tech., dms., c.l...lb. .26½- .30
l.c.l., works ...lb. .27 - .31
tanks, works ...lb. .25 - .29
Cyclohexylamine, dms., c.l., works. lb. .41½- —
l.c.l., works...lb. .42½- —
tanks, works ...lb. .40 - —
Cyclopropane CP, 2 lb. cyls., works. cyl.48.00 - —
6 oz. cyls., works...cyl.12.00 - —
USP, hospitals, cyls., 40 gal. lots. gal. .38 - —
100-gal. lots...gal. .37 - —
200-gal. lots...gal. .36 - —

D

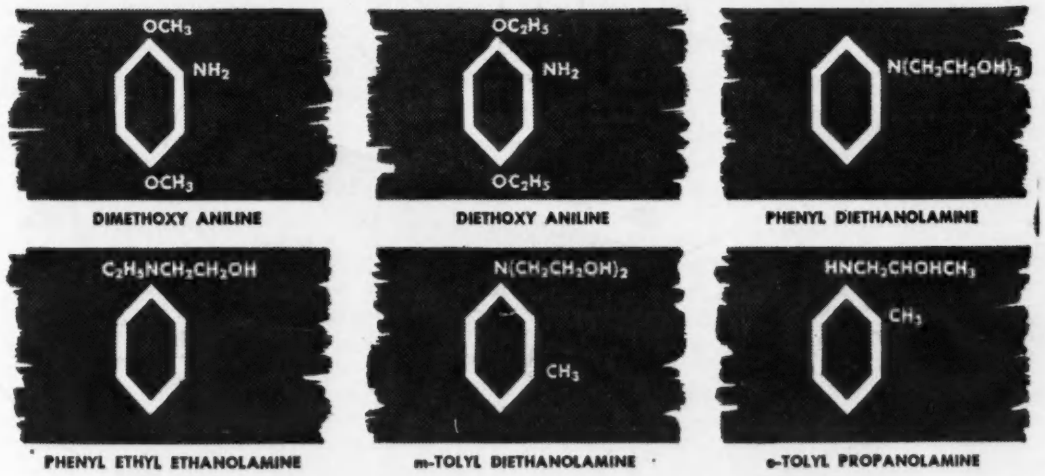
2 4-D Pols., c.l. works frt. equald. lb. .61 - —
l.c.l., same basis...lb. .67 - —
Isopropyl ester, dms., c.l., works. lb. .67 - —
l.c.l., works ...lb. .72 - .74
Damiana leaves, bls...lb. .28 - .30
Dandelion root, bls...lb. .45 - .50
DDD, tech., fine grd. 6b. dms., c.l., works...lb. .60 - —
l.c.l., works ...lb. .61 - —
DDT, fiber dms., c.l., works, frt. equald...lb. .33 - .34
smaller lots, same basis...lb. .35 - .36
Decanol, normal tech., dms., c.l., dlvd...lb. .419 - —
l.c.l. dlvd ...lb. .439 - —
tanks, dlvd ...lb. .394 - —
Deertongue leaves, bls...lb. .42 - .43
Defluorinated phosphate, 13% P. paper bgs., works...ton.49.25 - —
18½% P. paper bgs., works ton.62.75 -63.75
Rock, 14½% P. paper bgs., works...ton.50.00 - —
Degras, common, bbls...lb. .11 - .12
crude, centrifugal, bbls...lb. .18 - .20
neutral, less 2% ffa, bbls...lb. .30½- —
over 2% ffa., bbls...lb. .30 - —
Derris root, 5% rotenone powd., bbls lb. .32 - .35
Desoxyephedrine hydrochloride, dextro, bots...lb.25.00 - —
dextro-laevo, bots lb. 7.50 - —
Dextrin, corn, gum, paper bgs., c.l., N.Y...100 lbs. 9.10 - —
l.c.l. ...100 lbs. 9.25 - —
canary paper bgs., c.l...100 lbs. 8.84 - —
l.c.l. ...100 lbs. 8.99 - —
dark, paper bgs., c.l....100 lbs. 8.94 - —
l.c.l. ...100 lbs. 9.09 - —
white, paper bgs., c.l....100 lbs. 8.68 - —
l.c.l. ...100 lbs. 8.83 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.
Potato, bgs ...lb. .10½- .11
Dextrose, USP, dms...lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots ...lb. 4.50 - 4.60
laboratory grade, bots. 100 grams. 4.50 - —
tech., bots., works...lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E...lb. No prices.
l.c.l., dlvd. E...lb. No prices.
tanks, dlvd. E ...lb. No prices.
Dianisidin, dms ...lb. 1.90 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast...ton.52.00 -55.00
California ...ton.42.00 -45.00
l.c.l., ex whse...ton.85.00 -90.00

Diatomaceous earth, dom., purified, bgs., c.l., Atlantic coast. ton.65.00 - —
California ...ton.53.00 - —
l.c.l., ex whse...ton.95.00 -100.00
Atlantic coast...ton.95.00 -100.00
Mexican, white, bgs., c.l., Atlantic coast...lb. .03 - —
l.c.l., Atlantic coast...lb. .06 - —
Dibenzyl sebacate, CP, dms., c.l., works...lb. .92 - —
l.c.l., works...lb. .93¾- —
tanks, works...lb. .91 - —
Dibutyl phthalate, dms., c.l., dlvd., E...lb. .35¾- —
l.c.l., same basis...lb. .36¾- —
tanks, same basis...lb. .34 - .34½
Sebacate, CP, dms., c.l., works. lb. .92 - —
l.c.l., works...lb. .93 - —
tanks, works...lb. .90¼- —
tech., dms., c.l., works...lb. .90 - —
l.c.l., works...lb. .91 - —
tanks, works...lb. .88¼- —
Tartarate, dms., works, frt. alld.lb. .79 - —
Dibutylamine, dms., c.l., frt. alld. E. of Rockies...lb. .54¾- —
l.c.l., same basis...lb. .55¾- —
tanks, same basis...lb. .53 - —
Dicapryl phthalate, dms., c.l., dlvd. lb. .36¾- .38¾
l.c.l., dlvd...lb. .37 - .39¾
tanks, dlvd...lb. .35 - .37
Sebacate, dms., c.l., works...lb. .78½- —
l.c.l., works...lb. .79½- —
tanks, works...lb. .76¾- —
Dichloroaniiin, dms., works...lb. .75 - .83
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyD.
Dichloropentanes, dms., c.l., works. lb. .05 - —
l.c.l., works...lb. .05¾- —
tanks, works...lb. .04¼- —

Dicyclohexylamine, dms., c.l., works. lb. .46 - —
l.c.l., works...lb. .46¾- —
tanks, works...lb. .44½- —
Dicyclohexylphthalate, fib dms., c.l., works lb. .60 - —
l.c.l., same basis...lb. .61 - —
Dieldrin, dms., frt. alld...lb. 2.60 - —
l.c.l., frt. alld...lb. 3.04 - —
Diethanolamine, dms., c.l., dlvd. E. lb. .29¼- —
l.c.l., same basis...lb. .30¼- —
tanks, same basis...lb. .27½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .46¾- —
l.c.l., same basis...lb. .47¾- —
tanks, same basis...lb. .45 - —
Maleate, dms., c.l., dlvd...lb. .50 - —
l.c.l., dlvd...lb. .48¼- —
tanks, dlvd...lb. .48½- —
Oxalate, dms., c.l., frt. alld...lb. .41¾- —
l.c.l., same basis...lb. .42¾- —
tanks, same basis...lb. .40 - —
Phthalate, dms., c.l., dlvd...lb. .31¼- —
l.c.l., dlvd...lb. .32¼- —
tanks, dlvd...lb. .29½- —
Sulphate, dms., c.l., works...lb. .18¾- —
l.c.l., works ...lb. .19¼- —
tanks, works ...lb. .17 - —
Diethylamine, dms., c.l., dlvd. E lb. .54¼- —
l.c.l., same basis...lb. .55¼- —
tanks, same basis...lb. .52½- —
Diethylanilin, dms...lb. .48 - —
Diethyleneglycol, dms., c.l. dlvd. E. lb. .20¼- —
l.c.l., same basis...lb. .21¼- —
tanks, same basis...lb. .18½- —
Boriborate, dms., l.c.l ...lb. .30½- —
Diethylether, dms., c.l., works...lb. .46½- —
l.c.l., works ...lb. .47 - —

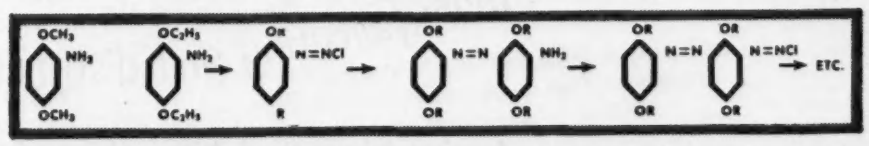
Diethyleneglycol, monobutylether, dms., c.l., works...lb. .28¾- —
l.c.l., works...lb. .29¼- —
tanks, works...lb. .27 - —
Monobutylether acetate, dms., c.l., works lb. .30 - —
l.c.l., works ...lb. .30½- —
Monoethylether, dms., c.l., works. lb. .20¼- —
l.c.l., works...lb. .20¾- —
tanks, works...lb. .19 - —
Monoethylether acetate, dms., c.l., works lb. .26¾- —
l.c.l., works ...lb. .27¼- —
Monomethylether, dms., c.l., works...lb. .24¾- —
l.c.l., works...lb. .25¼- —
tanks, works...lb. .23½- —
Diethylenetriamine, dms., c.l., dlvd. l.c.l., same basis...lb. .44 - —
tanks, same basis...lb. .41½- —
E lb. .43 - —
Diethylethanolamine, dms., c.l., dlvd...lb. .67½- —
l.c.l., same basis...lb. .68½- —
tanks, same basis...lb. .65¾- —
Diethylstilbestrol, USP, bots., 10-kilo lots kilo.115.00 -150.00
1 kilo lot ...kilo.135.00 -150.00
Digitalis leaves, USP, dom., dms. lb. 1.10 - 1.15
Digitoxin, USP, bots ...gram. 7.75 - 8.50
Diglycol laurate, dms...lb. .32½- .37
Oleate, dms ...lb. .32 - —
Stearate, dms...lb. .25 - .27
Dihexyl sebacate, dms., c.l., works. lb. .76½- —
l.c.l., works...lb. .77½- —
tanks, works...lb. .74¾- —
Dihydrazine sulphate, dms., works lb. 1.10 - 1.25

EASTMAN aromatic amines

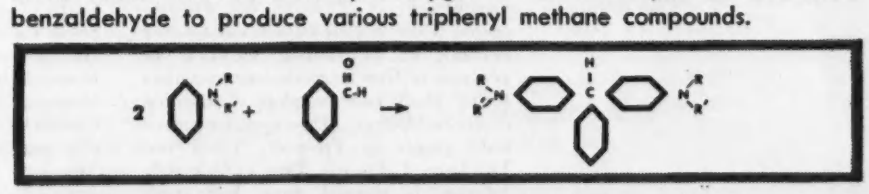


The six Eastman aromatic amines provide a source of an unusual range of couplers and intermediates. Primarily employed in the manufacture of dyes and pharmaceutical chemicals, these compounds are also receiving active consideration as intermediates in the preparation of new insecticides and fungicides.

The two primary amines, dimethoxy and diethoxy aniline, readily form diazonium salts. By virtue of their alkoxy groups these amines are easily coupled to such salts and the resulting compound can again be diazotized.



Under proper conditions phenyl diethanolamine and phenyl ethyl ethanolamine react with the carboxylic oxygen of benzaldehyde or substituted benzaldehyde to produce various triphenyl methane compounds.



Both the phenyl and the tolyl amines are excellent coupling agents and as such find wide usage in the dyestuff industry.

We will be pleased to send you additional information and sample quantities of the Eastman aromatic amines. Write to TENNESSEE EASTMAN COMPANY, *Division of Eastman Kodak Company*, KINGSPORT, TENNESSEE.

SALES REPRESENTATIVES: New York—260 Madison Ave.; Framingham, Mass.—7 Hollis St.; Cleveland—Terminal Tower Bldg.; Chicago—360 N. Michigan Ave.; St. Louis—Continental Bldg.; Houston—412 Main St. **West Coast:** Wilson Meyer Co., San Francisco—333 Montgomery St.; Los Angeles—4800 District Blvd.; Portland—520 S. W. Sixth Ave.; Seattle—821 Second Ave.

TENNESSEE EASTMAN COMPANY, *Division of Eastman Kodak Company* KINGSPORT, TENNESSEE

Dihydrostreptomycin Hydrochloride—Dyes, Coaltar, General Use, 1099

Dihydrostreptomycin hydrochloride and sulphate, bulk, 50 kilos or more	gram	.324	—
unlabeled 1-gram vials, 1 to 500,000 vials	vial	.324	—
5-gram vials, 1 to 500,000 vials	vial	1.408	—
Dihydroxydichlorodiphenylmethane, pure, dms	lb	2.80	3.00
tech., dms	lb	1.15	1.25
Di-isobutyl ketone dms., c.l., dlvd	lb	.17¾	—
l.c.l., dlvd	lb	.18¾	—
tanks dlvd	lb	.16	—
Phthalate, dms., c.l., dlvd, E	lb	.34¾	—
l.c.l. dlvd, E	lb	.35¾	—
tanks, dlvd., E	lb	.33	—
Di-isobutylene, dms, c.l., works	lb	.09¼	—
l.c.l., works	lb	.10	—
tanks, works	lb	.07½	—
Di-iso-octyl phthalate, dms., c.l., dlvd	lb	.38¾	—
l.c.l., same basis	lb	.39¾	—
tanks, same basis	lb	.37	—
Di-isopropylamine, dms., c.l., dlvd, E. of Rockies	lb	.49¾	—
l.c.l. same basis	lb	.50¾	—
tanks, same basis	lb	.48	—
Dillseed, dewhiskered, bgs	lb	.12½	.13
natural, bgs	lb	.10½	—
Dimethyl anthranilate, cns	lb	5.50	5.90
Chloroacetal, dms, c.l. works	lb	.53	—
l.c.l. works	lb	.55	—
tanks works	lb	.51	—
Hydroquinone, dms	lb	2.25	2.75
Phthalate dms, c.l., dlvd	lb	.29¼	.29¾
l.c.l. dlvd	lb	.30¼	.30¾
tanks dlvd	lb	.27½	.28
Sebacate, dms., c.l., works	lb	1.31¾	—
l.c.l., works	lb	1.32¾	—
tanks, works	lb	1.30	—
Dimethyl sulphate, 55-gal. ret. dms., c.l., works	lb	.15	—
l.c.l., works	lb	.16	—
10-gal. ret dms., works	lb	.16½	—
Dimethylamine, 25-40%, dms., c.l., works, basis 100%	lb	.37	.38
l.c.l., works, basis 100%	lb	.37½	.38½
tanks, works, basis, 100%	lb	.33	—
Dimethylaniline, dms., c.l., frt. alld.	lb	.26	—
l.c.l. frt. alld	lb	.27	—
tanks, frt. allo	lb	.25	—
Dimethylethanolamine, anhydrous, dms., c.l., dlvd	lb	1.43	—
l.c.l., dlvd	lb	1.45	—
tanks, dlvd.	lb	1.40	—
70%, dms., c.l., dlvd., basis 100%	lb	.54	—
l.c.l., dlvd.	lb	.55	—
tanks, dlvd.	lb	.52¼	—
Dimethylformamide, dms., works	lb	.37	—
tanks	lb	.34	—
Dinitroaniline dms. frt equaid	lb	.57	—
Dinitrobenzene, crude dms	lb	.20	—
purified, dms	lb	.22	—
Dinitrochlorobenzene dms., c.l., frt. alld. E	lb	.15¼	—
l.c.l., frt. alld E	lb	.15¾	—
tanks, frt. alld. E	lb	.15	—
Dinitrophenol bbls	lb	.34	—
Dinitrotoluene oily, dms.	lb	.10	—
refd., dms	lb	.21	—
Dioctyl adipate, dms., c.l., works	lb	.44¾	—
l.c.l., works	lb	.45¾	—
tanks, works	lb	.43	—
Phthalate, dms., c.l., frt. alld	lb	.38¾	.41¾
l.c.l., frt. alld	lb	.39¾	.42¾
tanks, frt. alld	lb	.37	.40
Diorthotolyiguanidin, dms., ton lots, dlvd	lb	.54	—
smaller lots, dlvd	lb	.55	—
Dioxane, dms., c.l., works	lb	.28¾	—
l.c.l., same basis	lb	.29¼	—
tanks, same basis	lb	.27	—
Dip oil (see Tar acid oil)			
Dipentaerythritol, bgs., c.l., works	lb	.34	—
l.c.l., works	lb	.37	—
Dipentene, dest-dist., dms., extra, c.l., works	gal	.49	—
l.c.l., works	gal	.50	—
whse.	gal	.68	—
steam-dist., dms., c.l., works, south	gal	.60	—
l.c.l., works, South	gal	.69	—
dlvd, N Y	lb	.83	—
Diphenyl, bbls, c.l., works	lb	.15	—
l.c.l., works	lb	.26	.20
Oxide, perfume grade, cns	lb	.54	.65
Phthalate, dms., c.l., works	lb	.51¾	—
l.c.l., same basis	lb	.53¾	—
Diphenylamine, refined, gran., bbls., c.l., works	lb	.28	—
l.c.l., works	lb	.30	—
tankcars, works	lb	.25	—
tech., tankcars, works	lb	.24	—
Diphenylguanidin, dms., ton lots	lb	.44½	—
smaller lots	lb	.45½	—
Diphenylhydantoin-sodium USP, dms.	lb	5.30	5.60
Dipropyleneglycol, dms, c.l., frt. alld	lb	.16¾	17
l.c.l., same basis	lb	.17¾	18
tanks, same basis	lb	.15	—
Methylether, dms, c.l., frt equaid.	lb	.19¾	—
l.c.l., same basis	lb	.20¾	—
tanks, same basis	lb	.18¼	—
Di-secondary-amylphenol, dms., c.l., works	lb	.30¼	—
l.c.l., works	lb	.33¼	—
tanks, works	lb	.26¼	—
Di-tertiary-amylphenol, dms., c.l., works	lb	.30¼	—
l.c.l., works	lb	.33¼	—
tanks, works	lb	.28¼	—
Di-tertiary butylmetacresol, dms., c.l., works	lb	.31	—
l.c.l., works	lb	.32	—
tanks, works	lb	.30	—
Di-tertiary butylparacresol, dms., c.l., works	lb	.91	—
l.c.l., works	lb	.95	—
Divi-divi, 45% tannin bgs., bls., c.l., U.S. ports, exdock	ton	70.00	72.00
Divinylbenzene 20-25%, dms., c.l., works	lb	.20	—
l.c.l., works	lb	.21	—
tanks, works	lb	.19	—
40-50% basis 100%, dms., c.l., works	lb	1.17	—
l.c.l., works	lb	1.27	—
Dodecylbenzene, dms., c.l., works	lb	.16	—
l.c.l., works	lb	.17	—
tanks, works	lb	.12½	—
Doggrass root, dom., cut, bls	lb	.26	.28
imp., cut, bls	lb	.28	.35
Dogwood bark, Jamaica, bls	lb	11	.13
Dragon's blood, mass, cs	lb	1.25	1.39
reeds, cs.	lb	1.40	1.45

Dyes, coaltar, certified colors for food drugs and cosmetics, 5-lb and 1-lb lots dlvd:—

Blue, FD&C, No. 1, cns	lb	17.00	17.60
No. 2, cns	lb	17.00	17.60
Green, FD&C, No. 1, cns	lb	17.00	17.60
No. 2, cns	lb	22.20	22.85
No. 3, cns	lb	35.25	35.90
Orange, FD&C, No. 1, cns	lb	3.65	3.75
No. 2, cns	lb	4.65	4.75
Red, FD&C, No. 1, cns	lb	4.55	7.85
No. 2, cns	lb	4.00	4.10
No. 3, cns	lb	22.20	22.85
No. 4, cns	lb	7.20	7.50
No. 32, cns	lb	5.30	5.40
Violet, FD&C, No. 1, cns	lb	17.00	17.60
Yellow, FD&C, No. 1, cns	lb	10.50	11.05
No. 3, cns	lb	3.30	3.40
No. 4, cns	lb	3.30	3.40
No. 5, cns	lb	4.00	4.10
No. 6, cns	lb	4.00	4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb lots, dlvd.:—

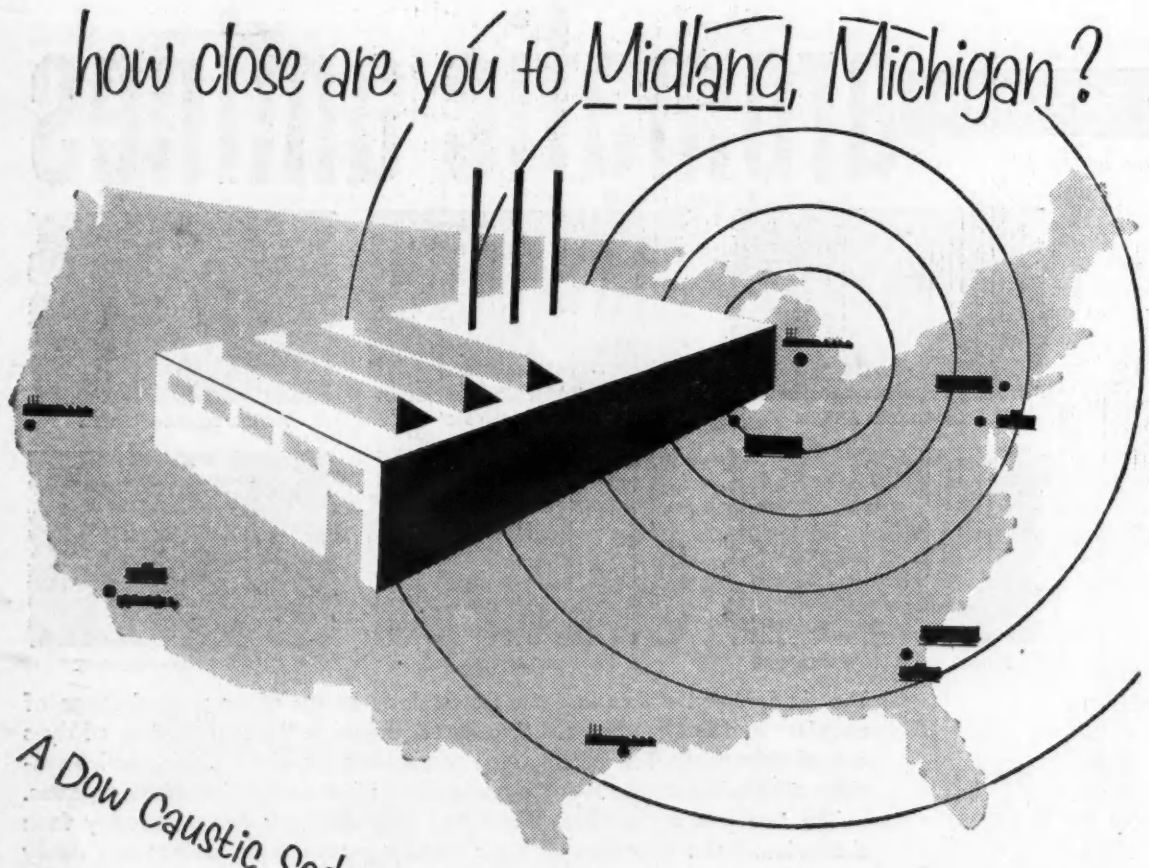
Black, D&C, No. 1, cns	lb	10.95	—
Blue, D&C, No. 4, cns	lb	13.55	—
Brown, D&C, No. 1, cns	lb	16.10	—
Green, D&C, No. 5, cns	lb	16.10	—
No. 6, cns	lb	16.10	—
No. 7, cns	lb	14.80	—
Orange, D&C, No. 3, cns	lb	10.95	—
No. 4, cns	lb	20.05	—
No. 5, cns	lb	5.70	—
No. 10, cns	lb	20.70	—
Red, D & C, No. 8, cns	lb	3.75	—
No. 9, cns	lb	3.75	—
No. 10, cns	lb	3.00	—
No. 11, cns	lb	2.25	—
No. 12, cns	lb	3.00	—
No. 17, cns	lb	10.95	—
No. 18, cns	lb	24.00	—
No. 19, cns	lb	20.05	—
No. 21, cns	lb	4.70	—
No. 22, cns	lb	10.95	—
No. 28, cns	lb	24.65	—
No. 33, cns	lb	17.45	—
Violet, D&C, No. 2, cns	lb	16.10	—
Yellow, D&C, No. 7, cns	lb	10.95	—
No. 8, cns	lb	10.95	—
No. 10, cns	lb	13.50	—
No. 11, cns	lb	13.50	—

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb lots, works, 25-50 lb. lots dlvd:—

Blue, Ext., D&C, No. 1, cns	lb	16.10	—
Green, Ext., D&C, No. 1, cns	lb	16.10	—
Red, Ext., D&C, No. 1, cns	lb	13.50	—
Yellow, Ext., D&C, No. 1, cns	lb	10.95	—
20 Orange AD	lb	.64	—
27 Fast light orange 2G	lb	.76	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

31	Phloxine 2G	lb	.64	—
36	Alizarine yellow 2G	lb	.83	—
40	Orange B extra, conc	lb	1.06	—
57	Fuchsine 6B	lb	.57	—
79	Scarlet 2R	lb	.74	—
151	Orange Y	lb	.47	—
161	Orange RR	lb	.55	—
176	Fast red A, conc	lb	.90	—
179	Azo rubine XX, conc	lb	1.04	—
180	Blue F4B	lb	.92	—
185	Brilliant scarlet 3RN, conc	lb	.93	—
202	Chrome blue black, conc	lb	.68	—
203	Chrome black T	lb	.71	—
208	Fast blue SR	lb	.91	—
216	Chrome red B	lb	.74	—
234	Resorcin brown	lb	.89	—
246	Blue black, extra, conc	lb	.86	—
275	Milling red 3R, conc	lb	2.03	—
289	Navy blue 3R, conc., 125%	lb	1.09	—
299	Black F, conc	lb	1.40	—
304	Neutral black 2B, conc., 200%	lb	2.01	—
326	Fast scarlet 4BNC	lb	1.64	—
332	Bismarck brown RX, conc.	lb	.86	—
365	Brilliant yellow, conc	lb	2.54	—
382	Scarlet B	lb	1.65	—
401	Diazo black, BHD	lb	.63	—
406	Blue 2B, extra, conc	lb	1.07	—
419	Diamine fast red FC	lb	1.12	—
420	Diamine brown M	lb	.90	—
448	Benzo purpurine 4B, conc	lb	1.18	—
518	Diamine sky blue FF, extra, conc., 150%	lb	2.25	—
561	Trisulphon brown BCW, conc	lb	2.03	—
581	Direct black E, double	lb	.89	—
593	Diamine green BXN, conc. 150%	lb	.97	—
598	Congo brown GG, conc. 150%	lb	1.46	—
620	Stilbene yellow G, conc	lb	.92	—
639	Xylene light yellow GX	lb	1.79	—
640	Tartrazine, conc	lb	1.46	—
655	Auramine, conc	lb	1.85	—
667	Victoria green cml. cryst.	lb	2.10	—
662	Brilliant green cryst	lb	2.79	—
667	Brilliant milling green B, conc	lb	3.68	—
671	Brilliant Blue E	lb	1.73	—
680	Methyl violet S, conc	lb	1.10	—
681	Crystal violet powder	lb	2.15	—
688	Formyl violet S4B	lb	1.50	—
720	Chrome azurs blue BR, conc. 200%	lb	3.75	—
729	Victoria blue B, conc	lb	2.78	—
739	Green SN, extra	lb	2.41	—
749	Rhodamine B, extra	lb	4.33	—
814	Fast yellow NNL, conc. 175%	lb	3.11	—
841	Safranine T, extra, conc., 125%	lb	2.90	—
865	Nigrosine WSJ	lb	.68	—
922	Methylene blue ZX	lb	1.55	—
969	Sulphanthrene blue GR paste,	lb	.76	—
978	Sulphogene carbon HCF grains	lb	.32	—
1034	Alizarin red S, conc	lb	2.59	—
1054	Anthraquinone blue B	lb	2.91	—
1078	Anthraquinone green G	lb	2.72	—
1085	Alizarin blue black B	lb	2.33	—
1096	Indanthrene golden orange G, single paste	lb	2.00	—
	double paste	lb	4.00	—
1099	Indanthrene dark blue BO, single paste	lb	1.75	—



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DOW CHEMICALS
INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)
1101 Brilliant green B, double paste lb. 2.36 - —
1106 Indanthrene blue RS, double paste lb. 2.57 - —
1113 Indanthrene blue GCD, double paste lb. 1.75 - —
1150 Indanthrene olive R, single paste lb. 1.10 - —
1151 Indanthrene brown R, single paste lb. 1.68 - —
double paste lb. 3.35 - —
1212 Sulphanthrene red violet 2RN single paste lb. 1.62 - —
1217 Sulphanthrene orange R, single, paste lb. 1.65 - —
p-4 Acid anthracene brown PGN. lb. 2.31 - —
p-14 Anthracene chromate brown EBN lb. 1.31 - —
p-24 Benzo fast black L, conc., 150% lb. 2.18 - —
p-80 Diazo brilliant scarlet ROA lb. 2.79 - —
p-202 Zambesi black V lb. 1.06 - —
p-313 Naphthol AS SW lb. 2.42 - —
p-244 Celliton scarlet B lb. 1.31 - —
Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.
Black blue No. 550 lb. .81 - —
Jet, No. 551 lb. .89 - —
Brown R, conc. lb. 1.72 - —
Orange R, brilliant lb. .90 - —
Red 4 B, conc. lb. 1.37 - —
Yellow C lb. 1.18 - —
FN, conc. lb. 1.22 - —
Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms, sellers works:—
Auramine O lb. 1.85 - —
Black, basic blue lb. 1.21 - —
Jet lb. 1.21 - —
Blue, methylene, 2 B, conc. lb. 1.55 - —
Brown, Bismarck R, conc. lb. .86 - —
Chrysodine, R, extra lb. .60 - —
Y extra lb. .64 - —
Fuchsine conc lb. 3.08 - —
Green, malachite, conc. lb. 2.10 - —
Rhodamine B lb. 4.33 - —
Safranine, Y conc. lb. 2.90 - —
Violet, methyl B lb. 1.10 - —
Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works:
Azo rubine R extra, conc. lb. 1.04 - —
Black, acid blue B, extra lb. .86 - —
Orange Acid, Y, conc. lb. .47 - —
Scarlet croceine, MOO lb. 1.45 - —
Yellow azo-, conc. lb. .90 - —
Fast light, 2 G, extra lb. 2.04 - —
Metnanil, conc lb. .91 - —
Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls lb. .90 Nom.
Egg albumen (see Albumen).
Yolk dried, dom., bbls lb. 1.11 - 1.15
Chinese, spot, bbls., duty paid lb. No stocks.
tanners bbls lb. .06 - 06¼
Elder flowers, bright, bls lb. .30 - .40
Elecampane root bls lb. .21 - .25
Elm bark, grinding, bls lb. .28 - .29
powd., bbls., bxs lb. .46 - .47
select, bundles lb. .60 - .61
Emetine hydrochloride, USP, bots., oz. 38.75 - 42.85
Ephedrine synthetic, USP, anhydrous bots., 100-oz. lots oz. .98 - 1.00
hydrous, bots., 100-oz. lots oz. .92 - —
Hydrochloride, tin, 100-oz. lots oz. .75 - —
Sulphate cryst., tins, 100-oz. lots oz. .72 - —
powd., tins, 100-oz. lots oz. .73 - —
Epichlorohydrin dms. c.l., works lb. .38¾ - —
l.c.l., works lb. .39½ - —
tanks, works lb. .37 - —
Epinephrine, synth., USP, bots., 100 grams gram .45 - .55
Epsom salt, tech. bgs., c.l., works, 100 lbs. 2.15 - —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Ergosterol, unirradiated, cryst. kilo 150.00 - —
Ergot, NF, dms., tin-lined lb. 4.00 - 4.25
Eserine, bots oz. 45.00 - 50.00
Salicylate USP, bots oz. 32.50 - 34.00
Sulphate, bots oz. 34.50 - 35.50
Ether acetate (see Ethyl acetate).
Butyl, dms., c.l., works lb. .34 - —
l.c.l., works lb. .34½ - —
tanks, works lb. .32½ - —
Butyric (see Ethyl butyrate).
Dichloroethyl, refd., dms., c.l., frt. alld. E lb. .14 - .14½
l.c.l., same basis lb. .15½ - .16
tanks, same basis lb. .13 - —
technical, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½ - —
tanks, works lb. .12 - —
Ethyl, absolute, ACS, dms lb. .37 - —
anesthesia, USP, hospitals, 1-lb. cns lb. .89 - —
½ lb cns lb. .97 - —
¼-lb cns lb. 1.05 - —
solvent, USP, dms., c.l., divd. lb. .15¾ - —
l.c.l., same basis lb. .16¾ - —
tanks, same basis lb. .13¾ - —
synthetic, dms., c.l., divd. E lb. .1575 - —
l.c.l., same basis lb. .1675 - —
tanks, same basis lb. .1375 - —
Isopropyl, dms., c.l., divd. lb. .0675 - .0856
l.c.l., divd. lb. .0750 - .0936
tanks, divd lb. .05 - .07½
Nitrous, conc., bots., 100-lb. lots lb. 1.28 - 1.35
Vinyl, USP, anesthesia, bots., 50 cc. hospitals bot. 1.12 - —
75 cc. hospitals bot. 1.56 - —
Ethyl acetate, natural, fermentation 85-88%, dms., c.l., frt. alld. lb. .12¾ - .21¼
l.c.l., frt. alld. lb. .13¼ - .22¼
tanks, frt. alld. lb. .11 - .20
95-96%, dms., c.l., frt. alld. lb. .13 - .22
l.c.l., frt. alld. lb. .13¾ - .23
tanks, frt. alld. lb. .11¼ - .20¼
99%, dms., c.l., frt. alld. lb. .13¼ - .22¼
l.c.l., frt. alld. lb. .14 - .23¼
tanks, frt. alld. lb. .11½ - .20½
NF, dms. frt. alld. lb. .24 - .25
synthetic, 85-90%, dms., c.l., frt. alld. lb. .12¾ - —
l.c.l., frt. alld. lb. .13½ - —
tanks, frt. alld. lb. .11 - —
95-98%, dms., c.l., frt. alld. lb. .13 - —
l.c.l., frt. alld. lb. .13¾ - —
tanks, frt. alld. lb. .11¼ - —
99%, dms., c.l., frt. alld. lb. .13¼ - —
l.c.l., frt. alld. lb. .14 - —
tanks, frt. alld. lb. .11½ - —
Acetoacetate, dms., c.l., divd. lb. .55 - —
l.c.l., divd lb. .56½ - —
Acrylate, dms., c.l., and truckload, divd. lb. .49 - —
less than truckload, divd. lb. .49½ - —
tanks, divd lb. .48 - —
Aminobenzate, USP (see Benzocaine).
Benzoate, cns., dms. lb. .74 - .79
Bromide, tech., 98%, dms. lb. .43 - .47

Ethyl butyrate, bots. gal. 6.10 - 6.60
cns., dms., works lb. .80 - 1.02
Carbamate (see Urethane).
Chloride, tech, dms, c.l., works, lb. .18 - .20
cyls., c.l., same basis lb. .20 - .22
tanks same basis lb. .10 - —
USP bbls., cyls lb. .22 - .24
Cinnamate, cns lb. 2.33 - 2.53
Formate, dms lb. .60 - —
Gallate, dms., 100 to 2,000-lb. lots lb. 3.90 - 4.40
l.c.l., works lb. 4.13 - —
cbys., works lb. 3.50 - —
Lactate, dms., works lb. .47½ - —
Methacrylate dms., c.l., and truckload works lb. .50 - —
less than truckload, works lb. .50½ - —
Nitrite (see Ether nitrous).
Oenanthate, dms. lb. 1.00 1.50
Oleate, dms., l.c.l., works lb. No prices.
Oxalate (see Diethyl oxalate)
Silicate, dist. (see Tetraethylorthosilicate)
40% available SiO2 dms., works, lb. .60½ - —
Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).
Ethylanilin (see Monoethylanilin).
Ethylbenzene, dms., c.l. lb. .14 - —
l.c.l lb. .15 - —
tanks lb. .13 - —
Ethylbutyl ketone dms., c.l., works, lb. .33¼ - —
l.c.l., works lb. .34 - —
tanks lb. .32 - —
Ethylcellulose, vis. 7 cps., bgs., 5,000 lb. lots or more, works lb. .70 - —
smaller lots, works lb. .72 - .80
vis. 10, 20, 50, 100, 150 cps., bgs., 5,000-lb. lots or more, works lb. .65 - —
smaller lots lb. .67 - .75

Dyes, Coaltar, General Use, 1101—Ferric Cacodylate

Ethylene dichloride, dms., c.l., divd. E lb. .11¾ - —
l.c.l., same basis lb. .12¾ - —
tanks, same basis lb. .10 - —
Ethylene dichloride prices W. of Rockies, 1c per lb. higher.
Oxide, cyls., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, divd E lb. .19 - —
Trichloride (see Trichloroethane).
Ethylenediamine, 76%, dms., c.l., divd lb. .49 - —
l.c.l., divd. lb. .50 - —
tanks, divd. lb. .47 - —
Ethyleneglycol dms., c.l., frt. alld. E lb. .18¾ - —
l.c.l. same basis lb. .19¾ - —
tanks, same basis lb. .17 - —
Monobutylether dms., c.l., works, lb. .23¾ - —
l.c.l., works lb. .24¼ - —
tanks, works lb. .22 - —
Monoethylether, dms., c.l., works, lb. .20¼ - —
l.c.l., works lb. .20¾ - —
tanks, works lb. .19 - —
Monoethylether acetate, dms., c.l., works lb. .19¾ - —
l.c.l., works lb. .20¼ - —
tanks, works lb. .18 - —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l., works lb. .22½ - —
tanks, works lb. .21 - —
Monomethylether acetate, dms., c.l., works lb. .23¾ - —
l.c.l., works lb. .29¼ - —
tanks, works lb. .27 - —
Monostearate, dms. lb. .35 - .42½
Ethylethanolamines, mixed, dms., c.l., frt alld., E. Miss lb. .42 - —
l.c.l., same basis lb. .43 - —
tanks, same basis lb. 40 - —
Ethylmorphine hydrochloride, USP, bots oz. 11.85 - —
Ethylorthotoluidine (see Monoethylorthotoluidin).
Ethylvanillin, cns., 25-lb. lots lb. 6.75 - 7.30
smaller lots lb 7.35 - 7.40
Eucalyptol, USP, cns., dms. lb. 1.85 - 2.10
Eucalyptus leaves, bls lb. .10 - .11
Eugenol, pure, USP, bots lb. 2.90 - 3.45
Euphorbia herb, bls lb. .12 - .14

F

Feldspar, enamel, 100 mesh, bgs., works ton 20.00 - 22.00
Glass, 20 mesh, bulk, tons, works, ton 11.75 - 12.50
Pottery bgs, ton lots, works ton 20.00 - 22.00
bulk, c.l., works ton 18.00 - 20.00
Fennel seed, Czech, dark, bgs lb. .20 - .21
light, bgs lb. No stocks.
French, bgs lb. .24 - .26
Indian, bgs lb. No prices.
Syrian, light, bgs lb. .24 Nom.
Fenugreek seed, Indian, bgs lb. No prices.
Moroccan, bgs lb. .05¾ -
Tunesian, bgs lb. .05¾ -
Ferric-ammonium citrate (see Iron ammonium citrate).
Ferric cacodylate (see Iron cacodylate).

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Ethylene Oxide — For use as a starting material for the manufacture of acrylonitrile and nonionic surface active agents; a sterilizing agent and fumigant; and, in general, a very reactive chemical intermediate.

Ethylene Glycol — For use as a permanent-type antifreeze; a heat transfer medium; a raw material in the manufacture of low-freezing dynamite; a starting material for the production of synthetic fibers and alkyd resins; a plasticizer; a constituent of hydraulic fluids; and a general solvent and chemical intermediate.

Ethylene Dichloride — For use as an ingredient of tetraethyl lead fluid; a solvent for fats, oils, and waxes; a metal degreaser; a spotting agent for textile cleaning; a chemical intermediate for use in resin manufacture and in other processes.

Diethylene Glycol — For use as a dehydrating agent for natural gas; a moistening agent for tobacco, glue, and gelatin; a textile lubricant and coupling agent; a solvent in textile dyeing and printing; a constituent of hydraulic fluids; a chemical intermediate.

Monoethanolamine — For use as a gas scrubbing agent for recovery of hydrogen sulfide and carbon dioxide, and as a chemical intermediate in the manufacture of various surface active agents, rubber chemicals, and other materials, and as an agent in the manufacture of antibiotics.

Diethanolamine — For use as an intermediate in the manufacture of surface active agents used in textile specialties, herbicides, petroleum demulsifiers, etc.; as a gas scrubber in refinery operations; a rubber chemicals intermediate.

Triethanolamine — For use as an intermediate in manufacture of surface active agents used in textile specialties, waxes and polishes, herbicides, petroleum demulsifiers, toilet goods, cement additives, cutting oils, etc.; a rubber chemicals intermediate.

Nonyl Phenol* — For use as an anionic and nonionic surface active agent intermediate; a starting material for the manufacture of lubricating oil additives, stabilizers, petroleum demulsifiers, oil-soluble phenolic resins and plasticizers.

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Ferric Glycerophosphate—Gum, Dammar, East India, Batu, Nubs, Chips

Ferric glycerophospnate (see iron-glycerophosphate).
Ferric hypophosphite (see iron hypophosphite).
Ferric sulphate (see iron sulphate-ferric).
Ferrous gluconate, NF, dms....lb. .68 - .97
Fir balsam, Canada, cns.....gal.32.50 -33.50
Oregon, bbls.....gal. 2.35 - 3.25
Fishberries, bgs.....lb. .17 - .21
Fishliver oil (see Oil, fishliver).
Fishmeal ground, domestic, 60% protein, bgs., Balto area..ton.135.00 - —
Fishscrap, dried 60% protein, bulk, Balto area..ton.130.00 - —
Fluorspar, acid grade, bulk, c.l., mine ton.60.00 - —
ceramic grade, 95-96% CaF_2, grd., bulk, mine, c.l ton.42.60 Nom.
85% CaF_2, grd., bulk, mine ton.41.50 Nom.
metallurgical grade, foundry, lump, 55-60% effective CaF_2, bulk, mine, c.l., ton.38.00 Nom.
washed gravel, 59-60% effective CaF_2, bulk, mine, c.l. ton.38.00 Nom.
60-65% effective CaF_2, bulk, mine..ton.39.00 - —
65-70% effective CaF_2, bulk, mine, c.l ton.40.00 Nom.
70% or better effective CaF_2, bulk, mine, c.l..ton.41.00 - —
imported, bulk, ex dock, New York ton.37.00 Nom.
Formaldehyde, NF (inhibited), dms., c.l., E., works..lb. .0625- —
l.c.l., E. works.....lb. .0675- —
tanks, E. works.....lb. .0420- —
methanol-free (uninhibited), tanks, works..lb. .0395- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard as well as W. of Rockies, prices f.o.b. Texas plants, are .0270 for inhibited and .0245 for uninhibited.

Fleaseed (see Psyllium seed).
Fringetree bark, bls.....lb. .60 - .61
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga., mines ton.38.50 - —
Illinois mines.....ton.37.20 - —
spent, bulk, Bayonne....ton. 2.00 - 4.00
imported, bgs., c.l.....ton.30.00 -40.00
Furfural, tech., dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .108 - —
Fusel oil, refined, dms., c.l., dlvd..lb. .17¼- —
l.c.l., dlvd.....lb. .18¼- —
tanks, dlvd.....lb. .15½- —
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .47½- —
No. 2, bbls., l.c.l.....lb. .45½- —
No. 3, bbls., l.c.l.....lb. .43½- —
liquid, No. 1, bbls., l.c.l....lb. .22½- —
No. 2, bbls., l.c.l.....lb. .21½- —
No. 3, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l.....lb. .45 - —

G

G salt, bbls., frt. alld.....lb. .73 - —
Galangal root, bls.....lb. .18 - .25
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks gal. .1075- —
N. Y. Harbor, 86 octane, tanks gal. .1285- .136
Group 3, 82 octane, tanks gal. .10375- .105
Gulf coast, 82 octane, tanks gal. .1125- .1130
Pennsylvania, western U. S. motor, 86 octane, tanks gal. .1275- .129
natural, group 3, 26-70 octane, tanks..gal. .0575- —
Gelatin, silver label, imported, cs.lb. 1.25 - —
Gelsemium root, bls.....lb. .26 - .27
Gentian root, bls.....lb. .17 - .18
grd., bbls., bxs.....lb. .22 - .23
powd., bbls., bxs.....lb. .23 - .24
Geraniol, extra, cns., dms.....lb. 1.55 - 1.90
standard, cns., dms.....lb. .75 - 1.50
Geranyl acetate, cns.....lb. 1.65 - 1.90
Ginger, oleoresin, NF, from African root, bots..lb. 4.50 - 7.75
from Jamaican root, bls..lb. 7.50 -12.75
root, African, bls.....lb. .14 - —
Cochin, unbleached, bgs....lb. .18 - —
Jamaica, No. 1, bgs.....lb. .24 - —
No. 2, bgs.....lb. .18 - —
No. 3, bgs.....lb. .17 - —
Rhattoon, bgs.....lb. .16 - —
Nigerian, split, bgs.....lb. .12 - .12½
June shipment.....lb. .11 - —
Ginseng root, cs.....lb.13.00 -16.00
Glauber's salt, anhyd (see Sodium sulphate).
cryst., bgs. c.l., works, frt. alld. ton.45.00 - —
l.c.l., works.....ton.50.00 - —
Glue, bone, extracted, 66 jellygrams, bgs., c.l., dlvd..lb. .24½- —
86 jellygrams, same basis..lb. .25 - —
104 jellygrams, same basis..lb. .25½- —
131 jellygrams, same basis..lb. .26 - —
164 jellygrams, same basis..lb. .26½- —
191 jellygrams, same basis..lb. .27 - —
222 jellygrams, same basis..lb. .28 - —
packers', 40 jellygrams, bgs., c.l., dlvd..lb. .21½- —
65 jellygrams, same basis..lb. .22½- —
86 jellygrams, same basis..lb. .23 - —
113 jellygrams, same basis..lb. .24 - —
135 jellygrams, same basis..lb. .25 - —
164 jellygrams, same basis..lb. .26 - —
185 jellygrams, same basis..lb. .27 - —
renderers', 110 jellygrams, bgs., c.l., dlvd..lb. .22 - —

Bone glue, l.c.l. prices 1c. higher.

hide, 70-94 jellygrams, bgs., c.l., dlvd..lb. .26 - —
95-121, bgs., c.l., dlvd.....lb. .27½- .28
122-149, bgs., c.l., dlvd.....lb. .29 - .29½
150-177, bgs., c.l., dlvd.....lb. .30 - .31
178-206, bgs., c.l., dlvd.....lb. .31 - .32
207-236, bgs., c.l., dlvd.....lb. .32 - .33
237-266, bgs., c.l., dlvd.....lb. .33 - .34
267-296, bgs., c.l., dlvd.....lb. .34 - .35
299-330, bgs., c.l., dlvd.....lb. .35 - .36
331-362, bgs., c.l., dlvd.....lb. .36 - .37
363-394, bgs., c.l., dlvd.....lb. .37 - .38
395-427, bgs., c.l., dlvd.....lb. .38 - .39
428-460, bgs., c.l., dlvd.....lb. .40 - .41
461-494, bgs., c.l., dlvd.....lb. .41 - .43
495-529, bgs., c.l., dlvd.....lb. .42 - .45

Hide glue l.c.l. prices 1c. higher than c.l.

Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd..lb. .24 - .25
soapiye, 80%, tanks, dlvd....lb. .22 - .23
dynamite, dms., c.l., dlvd.....lb. .33¾- —
l.c.l., dlvd.....lb. .34¼- —
tanks, dlvd.....lb. .32¼- —
high gravity, dms., c.l., dlvd..lb. .34 - —
l.c.l., dlvd.....lb. .34½- —
tanks, dlvd.....lb. .33½- —
refined, BP, 96%, dms., c.l., dlvd. lb. .35⅝- —
l.c.l., dlvd.....lb. .36⅛- —
tanks, dlvd.....lb. .35⅛- —
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works..lb. 4.50 - —
tungstated, PTMA, kgs., works..lb. 6.30 - —
Chrome, CP, dark, light, medium, blue content 5 to 30%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .37 - —
31-50%, bbls., same basis. lb. .37 - .38
50-60%, bbls., same basis. lb. .40 - —
reduced color, 25%, bbls., same basis..lb. .17 - .17¼

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., dms., c.l., frt. alld..lb. .95 - 1.20
pure, c.l., bgs., frt. alld.....lb. .37½- .44
Dyes (see Dyes, coaltar).
Emerald, malachite toner, tungstic, PTMA, bbls., works..lb. 4.50 - 5.50
Paris (see Paris green).
Phthalocyanin toner, bbls., works. lb. 4.40 - —
resinated, bbls.....lb. 4.00 - —
water dispersable, bbls.....lb. 1.71 - —
Pigment B, kegs.....lb. 1.35 - —
Grindelia robusta herb, bls.....lb. .30 - .32
Guaiac resin, NF, cs.....lb. .55 - .60
ordinary, cs.....lb. .49 - .51
Gualacol, cryst., tins.....lb. 1.90 - —
liquid, NF, bots., cbys.....lb. 2.15 - 2.20
Carbonate, dms.....lb. 3.15 - 3.20
Guarana powd., cs.....lb. 1.50 - 1.75
Gum accroides (see Gum yacca).
Aloe (see A.)
Ammoniac tears, cs.....lb. .35 - .65
Arabic, amber sorts, bgs.....lb. .14 - .14½
powdered, USP, bbls.....lb. .18 - .19
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs.....lb. .38 - .40
Camphor (see C).
Cellulose, bgs., 23,000 lbs. or more, works, frt. alld.....lb. .60 - —
smaller lots same basis..lb. .62 - —
works..lb. 6.50 - —
Copal, Congo, No. 1, bgs.....lb. .21 - .23
No. 2, bgs.....lb. .19 - .20
No. 3, bgs.....lb. .17½- .18½
Manila, loba B, bgs.....lb. No prices.
C, bgs.....lb. .27 - .32
CBB, bgs.....lb. .22 - .23
CNE, bgs.....lb. No prices.
DBB, bgs.....lb. .14 - .18
DK, bgs.....lb. .13 - .15
dust, bgs.....lb. .11 - .12¼
soft, MA, bgs.....lb. .13 - .16
WS, bgs.....lb. .27 - .35
Philippine, pale, chips, bgs..lb. .18 - .25
nubs, bgs.....lb. .27 - .32
seeds, bgs.....lb. .15 - .21
sorts, bgs.....lb. .18 - .22
Pontianak, chips, bgs.....lb. .22 - .26
nubs, bgs.....lb. .36 - .40
Dammar, Batavia, A/E, bgs....lb. .24 - .26
dust, bgs.....lb. .14 - .16
E., bgs.....lb. .16 - .18
East India, batu, bold, bgs..lb. .12 - .14
nubs and chips, bgs..lb. .08 - .10

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Putting Technical Info mation at your fingertip

Part of the complete catalog file system on solvents and chemicals offered members of the Solvents & Chemicals Group.

"Knowing the right answer" is usually not nearly as portant to industry as "knowing where to find it." Sin is well-nigh impossible for any laboratory or production to remember all the technical information concerning many solvents and chemicals used by industry, firms supplying him with this information in many forms.

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A prime example of the service furnished by the Solven Chemicals Group is their extensive catalog file system individual solvents and chemicals. Individual data sheet hundreds of products are available on request. These sheets are then incorporated in individual file folders. example, there are over 20 individual data sheets availab the file folder on petroleum naphthas, alone. File fol containing data sheets are available on such varied prod as chlorinated solvents, alcohols, acetates, aromatic solv waxes, plasticizers and many others.

ORGANIC SOLVENTS HANDBOOK IS A FAVORITE

One of the most demanded pieces of literature publishe the Group members is the Organic Solvents Handbook handy, pocket-size, 64-page booklet that discusses org

Gum, dammar, Batu, East India, black, bold, bgs ..... lb. .14½ - .16
unscraped, bgs ..... lb. .12 - .13
nubs and chips, bgs ..... lb. .11 - .13
pale, chips, bgs ..... lb. .13 - .14
nubs, bgs ..... lb. .19 - .20
Singapore, No. 1, bgs ..... lb. .35 - .38
No. 2, bgs ..... lb. .29 - .32
No. 3, bgs ..... lb. .16 - .17
dust, bgs ..... lb. .14 - .16
seeds, bgs ..... lb. .16 - .18
Ester, gum-rosin type, dms., c.l., dlvd., ill., ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. lb. .14 - .14½
wood-rosin type, dms., c.l., dlvd., ill., Ind., etc. lb. .14 - —
Euphorbium, cs. ..... lb. .55 - .60
Galbanum, cs ..... lb. .75 - .80
Gamboge, pipe, cs ..... lb. .70 - 1.00
powd., bbls ..... lb. .90 - 1.20
Ghatti, No. 2, bgs ..... lb. .35 - .37
No. 3, bgs ..... lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, NF, powd., No. 1, bbls. lb. .40 - .41
No. 2, bbls ..... lb. .30 - .31
No. 3, bbls ..... lb. .23 - .24
Kauri, bgs. ..... lb. .30 - .50
Kino, cs ..... lb. 1.15 - 2.40
Locust bean, powd., bgs ..... lb. .32 - .35
Mastic, cs ..... lb. 2.00 - 2.10
Myrrh, cs ..... lb. .30 - .35
Olibanum, siftings, cs ..... lb. .16 - .18
tears, cs ..... lb. .20 - .30
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, cks. ..... lb. 3.50 - 4.00
Gum, scammony, cs ..... lb. 1.50 - 1.55
Sterculia (see Gum karaya).
Talha, bgs ..... lb. .10 - .11
Tragacanth, No. 1, cs ..... lb. 3.00 - 3.05
No. 2, cs ..... lb. 2.60 - 2.75
No. 3, cs ..... lb. 1.70 - 1.75
powdered, USP, bbls ..... lb. 1.25 - 1.35
Yacca, bgs ..... lb. .06 - —
Gypsum, anhydrous filler, paper bgs., c.l., Medicine Lodge Kan ton. 19.00 - —
Plaster of paris, paper bgs., c.l., Baltimore, frt. equald. ton. 18.30 - —
Harlem river, N. Y., frt. equald. ton. 17.30 - —
Medicine Lodge, Kan., frt. equald. ton. 16.00 - —
Stucco, Akron, N. Y., frt. equald. ton. 8.00 - —
Blue Rapids, Kans., frt. equald. ton. 8.00 - —
Fort Dodge, Iowa, frt equald. ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald. ton. 8.00 - —
New Brighton, N. Y., frt. equald. ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald. ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., Baltimore ton. 14.40 - —
Harlem River, N. Y. ton. 14.40 - —
imported, Enguan, paper bgs., ex dock ton. 48.00 - —
ex warehouse ..... ton. 53.00 - 56.00

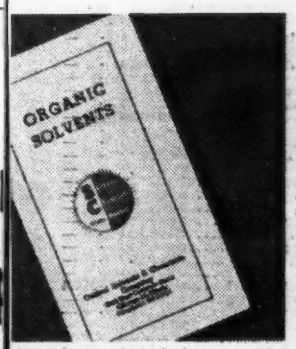
H

Hawthorn berries, bgs ..... lb. .30 - .32
Heliotropine, cryst., cns ..... lb. 3.10 - 3.45
Helonias root, bls ..... lb. 1.50 - 1.55
Hellebore root, dom., green, bls. lb. .60 - .65
imp., black, whole, bls ..... lb. .25 - .30
ground, bxs ..... lb. .30 - .35
powder, bxs ..... lb. .32 - .37
white, whole, bls ..... lb. .25 - .30
powder, bxs ..... lb. .35 - .45
Hematine extract, cryst. No. 1, bbls., l.c.l. lb. .47 - —
No. 2, bbls., l.c.l. ..... lb. .43 - —
No. 3, bbls., l.c.l. ..... lb. .41 - —
No. 4, bbls., l.c.l. ..... lb. .39 - —
No. 5, bbls., l.c.l. ..... lb. .37 - —
paste, No. 1, bbls., l.c.l. ..... lb. .20½ - —
Henbane leaves, bls ..... lb. .35 - .40
Henna leaves, bls ..... lb. .23 - .25
powd., bbls., bgs ..... lb. .22 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .18 - —
group 3, tanks ..... gal. .1375 - .1405
Hesperidin methylchalcone, bots., works lb. 50.00 - —
Hexachlorophene, dms ..... lb. 2.60 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots or more, Perth Amboy or N. Y. C. lb. .232 - —
less than 1,000-lb. lots, same basis lb. .242 - —
fib. dms., 1,000-lb. lots or more, same basis lb. .239 - —
less than 1,000-lb. lots, same basis lb. .249 - —
USP, dms., 500 lbs. or more, same basis lb. .40½ - —
smaller lots, same basis ... lb. .41½ - —

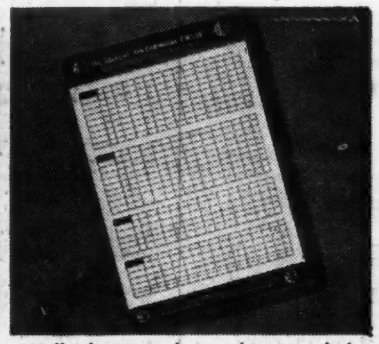
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, Bayonne, N. J., tanks gal. .18 - —
Group 3, tanks ..... gal. .145 - .148
Hexanol, normal, dms., c.l., works, lb. .24½ - —
t.c.l., works ..... lb. .35 - —
tanks, works ..... lb. .33 - —
Hexyl cinnamic aldehyde, dms lb. 2.25 - 7.50
Salicylate, dms ..... lb. 1.75 - —
Hexyleneglycol, dms., c.l., dlvd lb. .15¾ - —
t.c.l., dlvd ..... lb. .16½ - —
tanks, dlvd ..... lb. .14 - —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, dms., dlvd., 50-lb. lots or more lb. 15.00 - 16.00
smaller lots, dlvd ..... lb. 16.00 - 17.00
Histamine diphosphate, USP., bots. kilo. 450.00 - —
Histidine hydrochloride, laevo, NF, fib. dms., 50-kilo lots, works. kilo. 80.00 - 85.00
1-5 kilo lots works ..... kilo. 90.00 - 95.00
Homatropine hydrobromide, USP bots oz. 13.75 - 14.00
Hydrochloride, bots ..... oz. 20.00 - 22.00
Methylbromide, USP, bots ..... oz. 13.00 - 14.50
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago, unit-ton. 7.00 - —
Hops, NF, bls ..... lb. .30 - .35
Horehound herb, bls ..... lb. .14 - .15
Hydrangea root, bls ..... lb. .22 - .23
Hydrastine, bots ..... oz. 29.50 - 31.00
Hydrochloride, NF, bots ..... oz. 29.50 - 31.00
Sulphate, bots ..... oz. 35.00 - 37.00
Hydrastinine 10-grain bots ... bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrazine, free base, ret. dms., Niagara Falls lb. 4.50 - 5.25
Hydrate, 100%, ret. dms., Niagara Falls lb. 3.00 - 3.50
85%, same basis ..... lb. 2.55 - 3.00
Hydrofuramide, dms., fib. ctns., works lb. .30 - .40
Hydrogen chloride anhyd., 50-lb. cyl., works lb. .55 - .60
Peroxide, USP bbls., dlvd .... lb. .03¾ - .05
35%, cbys., same basis ..... lb. .217 - .243
dms., c.l. same basis ..... lb. .21 - —
t.c.l., same basis ..... lb. .215 - .24
tanks ..... lb. .203 - —
Hydrogen peroxide prices on W. Coast 3c per lb. higher.
Hydroquinone, photogrd., bbls., dms. lb. .98 - 1.00
tech., dms., c.l., frt. equald lb. .77 - —
t.c.l., frt. equald ..... lb. .78 - —
Hydroxycitronellal, cns ..... lb. 5.80 - 6.30
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots ..... oz. 15.75 - 16.00
Hydrobromide, bots ..... oz. 16.50 - 18.00
Sulphate, bots ..... oz. 12.00 - 15.00
Hypernic extract, cryst., No. 2, bbls., t.c.l. lb. .52 - —
liquid, No. 1, bbls., t.c.l. ... lb. .35 - —
No. 2, bbls., t.c.l. ..... lb. .27 - —
Hyssop herb, bgs ..... lb. .35 - .36
Leaves, bgs ..... lb. .50 - .51

I

Iceland moss, bgs ..... lb. .30 - .33
Ichthammol, NF, dms ..... lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests ..... lb. 2.14 - 2.16
synth., paste, 20%, bbls ..... lb. .28 - .28½
Indol, CP, bots ..... lb. 17.00 - 21.00
Inositol dms., dlvd ..... lb. 5.60 - —
tins, dlvd. ..... lb. 5.70 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs ..... lb. 1.84 - 2.04
resublimed, USP, bots., jars lb. 2.55 - 2.78
Iodochlorohydroxyquin, USP, dms. lb. 6.90 - —
Iodoform, NF, dms., kgs ..... lb. 4.70 - 4.85
Ionone alpha, cns ..... lb. 5.00 - 6.75
Beta, cns ..... lb. 4.30 - 7.10
Methyl, dms., cns ..... lb. 4.10 - 6.05
Ipecac root, bgs ..... lb. 6.00 - 6.25
powd., bbls., bxs ..... lb. 6.25 - 6.50
Irish moss, bleached, prime, bls lb. .25 - .30
Iron acetate liquor, 25°, bbls., c.l., works lb. .09 - —
t.c.l., works ..... lb. .09¾ - —
solut., USP, LX, cbys ..... lb. .16 - —
djns. ..... lb. .17 - —
Cacodylate, NF, bots ..... lb. 13.00 - 14.00
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 6.25 - —
t.c.l., works ..... 100 lbs. 7.50 - —
cryst., indust., bbls., c.l., works 100 lbs. 5.25 - 6.25
t.c.l., works 100 lbs. 8.75 - 6.75
USP, dms., works lb. .07½ - .09
solut., 42° Be, basis 100%, cbys., c.l., works 100 lbs. 7.25 - 8.25
t.c.l., works 100 lbs. 7.75 - 10.75
tanks, works ..... 100 lbs. 3.45 - —
Citrate, gran., dms ..... lb. .77 - .80
Gluconate, NF (see Ferrous gluconate, NF).
Glycerophosphate, NF, powd lb. 4.45 - 4.55
Hypophosphite, NF, dms ..... lb. 2.80 - —
Iodide bgs. ..... lb. 3.66 - 3.73
Naphthenate liq., 6% Fe., dms., frt. alld lb. .23¾ - —
Oxalate, gran., dms ..... lb. .85 - .87
Phosphate, soluble, NF, gran., pearls, cs lb. .64 - .68
Pyrophosphate, soluble, NF VII, gran., pearls, dms lb. .78 - .81
Reduced, NF, kgs ..... lb. .90 - .93
Resinate, 6.75% Fe, dms., frt. alld. lb. .26¼ - —
Stearate, dms., c.l. ..... lb. .37 - —
ton lots ..... lb. .38 - —
less ton lots ..... lb. .39 - —
Sulphate, ferric, partially hydrated, bgs., c.l., works ton. 30.00 - —
t.c.l., works ..... ton. 31.00 - —
ferrous, tech. (see Copperas).
USP, cryst., bbls., dms ..... lb. .09½ - .10
Iron by hydrogen (see Iron, Reduced).
Iron-ammonium citrate, green, NF, gran., dms. lb. .55 - .60
brown, USP, gran., dms. lb. .55 - .58
Oxalate, fine gran., dms ..... lb. .25½ - .28½
Iron-potassium, oxalate, fine gran., dms lb. .30½ - .33¼
Iron-sodium, oxalate, fine gran., dms lb. .25½ - .28½
Isoborneol, cns ..... lb. 1.25 - 1.70
Isobornyl acetate, cns ..... lb. .70 - .97
Formate, dms. ..... lb. .80 - —
Propionate, dms ..... lb. 1.15 - 1.50
Isobutyl acetate, perfume grade, cns. lb. .75 - .97
solvent grade, dms., c.l., dlvd. E. of Rockies lb. .14 - —
t.c.l., same basis ..... lb. .14¾ - —
tanks, same basis ..... lb. .12¼ - —
Methacrylate, dms., works ..... lb. .60 - —
Isobutyraldehyde, dms., works .. lb. .50 - .53
Isoeugenol, cns ..... lb. 3.70 - 4.40
Isoniazid, bulk, powder, 25-kilo lots or more kilo. 60.00 - —
smaller lots ..... kilo. 66.00 - —
Isonicotinic acid hydrazide (see Isoniazid).
Isopentane, dms., works ..... lb. .43 - .55
Isophorone, dms., c.l., works .... lb. .24¼ - —
t.c.l., works ..... lb. .24¾ - —
tanks, works ..... lb. .22¼ - —
Isopropanol (see Alcohol, isopropyl).



ous Organic Solvents Hand-quested by hundreds of sol- chemical users.



Wall charts such as this one help research, production and laboratory men.

wealth of information con- these producer's pamphlets.

Specific catalogs from many manufacturers are available on request by users of their products.

ts in non-technical terms. Thousands of requests for ooklet have poured in from every State in the union, l as from numerous foreign countries. This pocket-size t is carried by paint and ink salesmen, and by produc- ien in the coatings and metal trades. What's more, of it can be found in the libraries of most universities. ed readers can obtain copies of this booklet without by contacting their nearest Group member.

FACTURERS' LITERATURE, TOO

ition to the many pieces of literature that the Solvents micals Group publishes, it also has available a wide r of informative literature published by the manufac- it represents. The combination of information con- in the Group's own literature, plus the knowledge that gained from manufacturers' literature, enables the to offer information that will help solve almost any m concerning the use of solvents and chemicals avail- om the Group.

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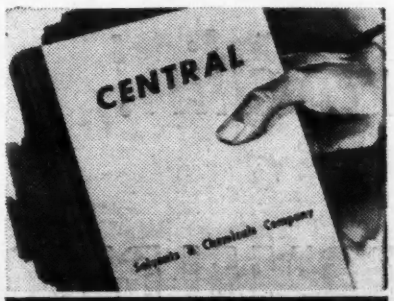
WAXES • AROMATIC SOLVENTS • NAPHTHAS • CHLORINATED SOLVENTS • PLASTICIZERS • STEARATES
ROSINS • DETERGENTS • ALKALIES • GLYCOLS • AMINES



BOUND TO SERVE YOU

Solvents Chemicals Group Member

IN CHICAGO, IT'S CENTRAL SOLVENTS

In Cleveland, it's Ohio Solvents. In Grand Rapids, it's Wolverine Solvents, and in Chicago, the name to look for is Central Solvents. Central Solvents each year, supplies more and more of leading solvents and chemicals to the Chicago area. Whether you make or use paints or clean

metals . . . whether you compound chemicals or use waxes . . . whatever you do that requires solvents and chemicals you can be sure of better service when you call on Central Solvents.

CENTRAL
Solvents & Chemicals Company
2545 W. CONGRESS STREET
CHICAGO 12, ILLINOIS
TELEPHONE: SEeley 3-0505

Isopropyl Acetate—Lithium Salicylate

Isopropyl acetate, dms., c.l., dlvd. lb. .11¾- —
l.c.l., same basis lb. .12½- —
tanks, same basis lb. .10 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene)
Ether (see Ether, isopropyl).
Isopropylamine (see Monoisopropylamine).
Isopropylphenol, dms., c.l., works lb. .46 - —
l.c.l., works lb. .47 - —
tanks, works lb. .45 - —
Isoquinoline, dms., works lb. .65 - 1.25

J

Jaborandi leaves, bls lb. .17 - .18
Jalap root, NF, bls lb. .45 - .55
powd., bbls., bxs lb. .50 - .60
Juniper berries, bgs lb. .08 - .15
Tar, NF, dms lb. .43 - .45

K

Kamala, powd., cns lb. .75 - .80
Kava Kava root, bls lb. .28 - .30
Kaolin (see also Clay, China).
NF, powd., fib. dms lb. .08 - .16½
colloidal, fib. dms lb. .15 - .15½
Kerosene, at refinery, Ark., 42-44 specific gravity w.w., tanks, gal. .0925- —
California 40-43 s.g., w.w., tanks gal. .126 - .130
Gulf ports, 41-43 s.g., w.w., tanks gal. .0900- .0925
N. Y. Harbor, 43-44 s.g., w.w., tanks gal. .109 - —
Kerosene, at refy., Okla.-Tex., 41-43 s.g., w.w., tanks gal. .0875- .095
Penn., Western, 45 s.g., w.w., tanks gal. .11 - .1165
Kola nuts, bgs lb. .08 - .09
Kyanite, imp., 60% alumina, low iron content, 10 mesh, bulk, whse. ton.95.00 -100.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Lady's slipper root, bls lb. 1.70 - 1.75
Lanolin, cosmetic, dms., works lb. .35½- .40½
USP, anhydrous, dms., works lb. .33½- —
hydrous, dms., works lb. .32 - —
Lard, cash, tres., Chicago lb. .10% Nom.
Larkspur seed, bgs lb. .20 - .25
Laurel berries, bgs lb. .25 - .26
Leaves, Greek, bls lb. .10 - .10½
Portuguese, bls lb. .09½- .10
Turkish, bls lb. .10½- .11
Yugoslavian, bls lb. .09 - .09½
Lauryl chloride, dms., works, frt. equald lb. .72 - —
Methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls lb. .55 - .60
ordinary, bls lb. .16 - .20
select, bls lb. .70 - .80
Lead acetate, white crystals, bbls. lb. .22 - —
gran., bbls lb. .23 - —
powd., bbls lb. .23 - —
NF, cryst., dms lb. .32 - .33
gran., powd., dms lb. .32 - .33
Lead, arsenate, dealers, acid powder, 3-lb. bgs. or larger, c.l., frt. alld. on 96 lbs. or over lb. .27½- —
l.c.l., frt. alld lb. .28½- —
1-lb. bgs., c.l. lb. .42½- —
l.c.l. lb. .43½- —
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld lb. .16¾- —
l.c.l., works lb. .17¾- —
Carbonate (see Lead, white).
Chloride, dms lb. .45 - —
Iodide, NF, V, jars lb. 3.82 - —
Linoleate, fused, 26.5%, dms lb. .32½- —
Metal, pigs, prime, N. Y lb. .16 - —
St. Louis lb. .1580- —
Metallic paste, dms., 20,000-40,000 lbs., works lb. .33¼- —
10,000-20,000 lbs., same basis lb. .33¾- —
2,000-10,000 lbs., same basis lb. .34¼- —
200-2,000 lbs., same basis lb. 34¾- —
Prices ex whse. Jersey City, N. J., 4½c. per lb. higher.
Monosilicate, bgs lb. .1708- —
Naphthenate, liquid 16% Pb, dms., dlvd lb. .17½- —
24% Pb, dms., dlvd lb. .23¾- —
solid, 37% Pb, dms., dlvd lb. .31 - —
Nitrate, bbls. lb. .22¼- —
Oleate, fused, bbls lb. .29¾- —
Orthosilicate gel, 50% PbO, dms., works lb. .32¾- —
60% PbO, dms., works lb. .31¾- —
Peroxide, powd., tech., bbls lb. .45 - .47
Phthalate, dibasic, dms., works. lb. .42½- —
Lead, red, 95% Pb_3O_4, or less, bbls., c.l. ship't point, frt. alld. lb. .18¾- —
l.c.l., same basis lb. .19¾- —
97% Pb_3O_4, bbls., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .20 - —
95% Pb_3O_4, bbls., c.l., same basis lb. .19¼- —
l.c.l., same basis lb. .20¼- —
Resinate, precip., dms., dlvd lb. .28½- —
Salicylate, normal, dms., works. lb. .48 - —
Stearate, dibasic, ton lots lb. .56 - —
precip., bbls., c.l. lb. .39 - —
ton lots lb. .40 - —
less ton lots lb. .41 - —
Sulphate (see Lead blue; Lead white; basic sulphate).
tribasic, dms., works lb. .29¼- —
Tallate, liquid, 16% Pb dms lb. .15¼- —
24% Pb, dms lb. .20½- —
White, basic, carbonate, bgs., c.l., ship't poina, frt. alld lb. .1770- —
l.c.l., same basis lb. .1870- —
basic silicate, bgs., c.l., ship't point, frt. alld lb. .1580- .2025
l.c.l., same basis lb. .1680- .2125
basic sulphate, bgs., c.l., ship't point, frt. alld lb. .16¾- —
l.c.l., same basis lb. .17¾- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works. lb. .16 - .18
l.c.l., same basis lb. .17 - .19
unbleached, c.l., same basis lb. .15 - .17
l.c.l., same basis lb. .16 - .18
Lemon peel, bls lb. .20 - .26
Leucine dextro-laevo, dms., works. lb.12.25 -15.00
Licorice extract, mass, cns lb. .20¾- .27
powd., bbls lb. .31 - .35
Root, bls lb. .08 - .10
5-lb. bundles, cs lb. .50 - .55
powd., bbls lb. .12 - .13
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06½
Lime, agricultural, bulk, works ton.14.50 - —
Chemical (quicklime), lump, pebble, bulk, Adams, Mass. ton.12.50 - —
Annville, Pa ton.11.50 - —
Austin, Texas ton. 9.50 - —
Bellefonte, Pa ton.11.50 - —
Buffalo, N. Y ton.14.00 - —
Cedar Hollow, Pa ton.11.50 - —
Duluth, Minn ton.13.50 - —
El Paso, Texas ton.14.00 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton.12.50 - —
Hannibal, Mo ton.10.00 - —
Keystone, Ala ton.10.25 - —
Kimballton, Va ton.10.25 - —
Knoxville, Tenn ton.10.50 - —
Lee, Mass ton.12.50 - —
Lewisburg, Ohio ton.10.00 - —
Limedale, Ark ton.10.00 - —
Los Angeles, Cal ton.25.10 -26.84
Marble Cliff, Ohio ton.10.00 - —
Martinsburg, W. Va ton.11.00 - —
Mosher, Mo ton.10.25 - —
Nelson, Ariz ton.14.50 -23.65
Quincy, Ill ton.10.00 -13.00
Reddick, Fla ton.13.50 - —
Scotrock, Ala ton.10.25 - —
Springfield, Mo ton.12.25 - —
Winooski, Vt ton.15.50 - —
Woodville, Ohio ton.11.50 - —
York, Pa ton.15.50 - —
Hydrated, paper bgs., Adams, Mass ton.15.50 - —
Annville, Pa ton.14.50 - —
Austin, Texas ton.13.00 - —
Bellefonte, Pa ton.14.50 - —
Buffalo, N. Y ton.16.00 - —
Cedar Hollow, Pa ton.14.50 - —
Chicago, Ill ton.15.00 - —
Duluth, Minn ton.14.00 - —
El Paso, Texas ton.17.50 - —
Engle, W. Va ton.14.50 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton.16.50 - —
Hannibal, Mo ton.12.00 - —
Keystone, Ala ton.13.50 - —
Kimballton, Va ton.13.50 - —
Knoxville, Tenn ton.13.00 - —
Lee, Mass ton.15.50 - —
Lewisburg, Ohio ton.14.00 - —
Limedale, Ark ton.12.00 - —
Marble Cliff, Ohio ton.13.50 - —
McNeil, Tex ton.13.00 - —
Meneminee, Mich ton.14.00 - —
Mosher, Mo ton.12.50 - —
North Tazewell, Va ton.12.75 - —
Quincy, Ill ton.10.00 -12.00
Reddick, Fla ton.16.00 - —
Scotrock, Ala ton.13.50 - —
Springfield, Mo ton.12.25 - —
Winooski, Vt ton.15.50 - —
Woodville, Ohio ton.14.50 - —
York, Pa ton.14.50 - —
Spray, paper bgs., Adams, Mass. ton.17.00 - —
Annville, Pa ton.17.00 - —
Austin, Texas ton.13.00 - —
Bellefonte, Pa ton.17.50 - —
Carey, Ohio ton.11.00 - —
Duluth, Minn ton.15.00 - —
Engle, W. Va ton.14.50 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton.16.50 - —
Keystone, Ala ton.13.50 - —
Kimballton, Va ton.13.50 - —
Lee, Mass ton.17.00 - —
Lewisburg, Ohio ton.16.00 - —
Marble Cliff, Ohio ton.16.00 - —
McNeil, Tex ton.16.00 - —
Meneminee, Mich ton.14.00 - —
Mosher, Mo ton.12.50 - —
North Tazewell, Va ton.12.75 - —
Reddick, Fla ton.16.00 - —
Rockland, Me ton.10.00 - —
Springfield, Mo ton.12.25 - —
Scotrock, Ala ton.13.50 - —
Winooski, Vt ton.17.00 - —
Woodville, Ohio ton.16.50 - —
York, Pa ton.15.50 - —
Lime salts (see Calcium).
Lime ammonia nitrogen, 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works ton. 3.50 - 4.00
Linalool, ex bois de rose, dms lb. 6.30 - 6.55
ex lignaloe wood, dms lb. 6.75 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms lb. 6.30 - 6.55
96-98%, dms. lb. 6.60 - 7.10
ex petitgrain, bots lb. 5.00 - 6.50
Lindane, 25% formulation, cns., works lb. 2.70 - —
dms., works lb. 2.60 - —
99%, tech., dms., works lb. 5.75 - 7.50
Linden flowers with leaves, bls lb. .34 - .35
without leaves, bls lb. .40 - .41
Linseed meal expeller, 36%, bulk Midwest mills ton.78.00 Nom.
extracted, 36%, same basis ton.78.00 Nom.
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld lb. .17¾- —
l.c.l., same basis lb. .18¾- —
Lithium benzoate, dms lb. 1.65 - 1.67
Bromide, NF, bbls., works, frt. equald lb. 2.10 - 2.75
Carbonate, NF, bbls., kgs lb. 1.05 - 1.15
Chloride, cryst., dms lb. .95 - 1.25
Citrate, NF, bbls., dms., kgs lb. 1.05 - 1.40
Fluoride, bbls lb. 1.80 - 2.00
Hydride, powd., dms., works lb.14.00 -26.00
Hydroxide monohydrate, dms lb. .80 - 1.25
Salicylate, dms lb. 1.60 - 1.70

Replace Formalin!

Celanese* PARAFORMALDEHYDE

CAN CUT YOUR RESIN COSTS!

- new low price—competitive with formalin
- ⅓ shorter cycle time
- 30% larger batches with present equipment
- greater reactivity—requires up to 18% less formaldehyde to produce same resin quantity
- greater phenol recovery
- no side reactions due to inhibitors
- no need for heated storage tanks
- dependable large volume
- smaller, less expensive equipment
- available in flake, powder and coarse powder—50 lb. bags, 100 and 300 lb. drums for immediate shipment from centrally-located terminals

When you compare Celanese Paraformaldehyde with formalin, you'll see why so many resin manufacturers are switching to Paraformaldehyde. They are shortening their processing time, cutting material, equipment and labor costs, and increasing resin production with their present equipment.

Talk it over with a Celanese representative. He will be glad to show you how Celanese Paraformaldehyde fits in your formulation.

Celanese Corporation of America, Chemical Division, Dept. 556-I, 180 Madison Avenue, New York 16, N. Y.

SEND FOR Technical Bulletins N-16 (Flake Paraformaldehyde) and N-30 (Paraformaldehyde for use in phenolic resins).

Celanese* CHEMICALS

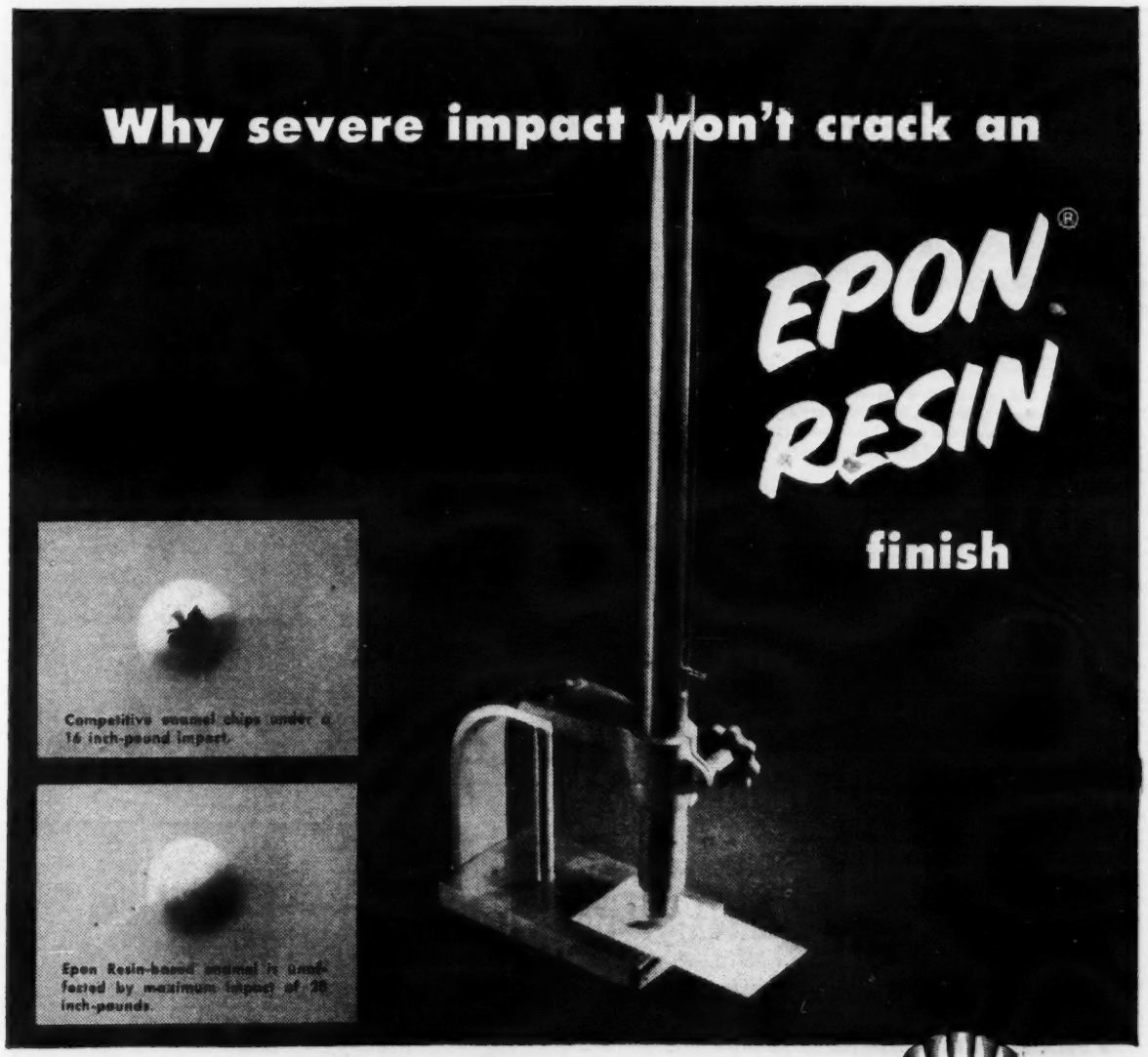
*Reg. U. S. Pat. Off.

Lithopone, ordinary, bgs., c.l., dlvd. lb. .07½- —
l.c.l., dlvd. lb. .08¼- .08½
titanated (high-strength), bgs., c.l., dlvd. lb. .10 - —
l.c.l., dlvd. lb. .11 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls lb. .65 - .68
Lobelia herb, bls lb. .42 - .43
Leaves, NF lb. .75 - .76
Lobeline sulphate, bots., works oz. 33.00 -34.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .41 - —
No. 2, bbls., l.c.l. lb. .39 - —
liquid, No. 1, bbls., l.c.l. lb. .20 - —
No. 2, bbls., l.c.l. lb. .19 - —
No. 3, bbls., l.c.l. lb. .18½- —
solid, No. lb. .35 - —
Lovage root, imported, bls. lb. .60 - .65
Lupulin, tins lb. 1.95 - 2.00
Lycopodium, cs lb. 1.50 - 1.60
Lysine hydrochloride, dextro-laevo, bots. kilo 145.00 -149.00

M

Mace, Siauw, No. 1, bls lb. 1.00 - 1.05
West Indian, cs lb. .88 - .89
broken, cs lb. .70 - .72
Magnesia, calcined, tech., ctns. works lb. .32 - .34¾
synth., rubber grade, ctns., works lb. .31 - —
USP, light, ctns lb. .34 - .36
heavy, bbls. lb. .36 - .38
Magnesite, chemical grade, bgs., c.l., works, frt. equald ton. 72.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash. ton. 36.30 - —
Magnesium bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09½- —
l.c.l., frt. alld lb. .10½- —
bbls., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld lb. .11¾- —
kgs., c.l., frt. equald lb. .12 - —
l.c.l., frt. alld lb. .13 - —
USP, bgs., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld lb. .12¼- —
bbls., c.l., frt. equald lb. .11¾- —
l.c.l., frt. alld lb. .12¾- —
kgs., c.l., frt. equald lb. .13 - —
l.c.l., frt. alld lb. .14 - —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt equald with N. Y. C. on all other destinations.
Chloride, anhyd., lump., 95-98%, dms., c.l., works, frt. equald. lb. .12¾- —
l.c.l., same basis lb. .14 - .15
powd., bbls., works ton. 50.00 - —
hydrous, flake, dms., l.c.l., works ton. 49.00 -51.00
Gluconate, dms., cns lb. 1.30 - 1.37
Glycerophosphate, dms., works lb. 5.10 - 5.20
Hydroxide, NF, medicinals, bbls., dms., kgs lb. .26½- .30
Hypophosphite, dms lb. 1.60 - —
Laurate, bbls. lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .24½- —
sticks, cs., works, frt. alld. on carlots lb. .42 - .44
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia calcined).
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .12 - .14
Sulphate (see Epsom salt).
Stearate, ctns., cs lb. .38 - —
ton lots lb. .39 - —
less ton lots lb. .40 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb. lots lb. .40 - —
100-lb. lots lb. .45 - —
Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.
Maleic anhydride, dms., c.l., dlvd. E. of Rockies lb. .37 - —
l.c.l., dlvd. E. of Rockies lb. .38 - —
Prices on maleic anhydride W. of Rockies, 1½c. higher.
Malva flowers, black, bls lb. .90 Nom.
blue, bls lb. 1.65 - 2.00
Leaves, bls lb. .35 - .38
Mandrake root, bls lb. .32 - .33
Manganese acetate, bbls, dlvd lb. .32½- —
Arsenate, bgs lb. .16 - —
Borate, tech., bbls lb. .24 - —
Carbonate, bbls., works lb. .21 - —
Chloride, anhyd., dms., works lb. .20 - .22
Dioxide, African, battery, 84-87%, bgs., 100-ton lots, works ton. 78.00 - —
smaller lots, works ton. 84.00 -94.00
Gluconate, dms., cns lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms lb. 4.70 - 4.80
Hydrate, bbls., dlvd lb. .33¼- —
Hypophosphite, NF, dms lb. 2.00 - —
Linoleate, liquid, 4.35% Mn., dms. lb. .30½- —
solid, precip., 8.2% Mn., bbls lb. .33½- —
Metal, cs., dlvd. East lb. .30 - .33
Naphthenate, liquid 6% Mn., dms., frt. alld. lb. .25 - —
Oleate, precip., bbls lb. .33½- —
Resinate, fused, 3½% Mn., dms lb. .21¾- —
precip., dms lb. .24½- —
Stearate, ctns., c.l. lb. .38 - —
ton lots lb. .39 - —
less ton lots lb. .40 - —
Sulphate, fertilizer grade, 63%, bgs., c.l., dlvd. S. E. ton. 75.50 - —
l.c.l., dlvd., S. E. ton. 82.50 - —
feed grade, 75%, bgs., c.l., dlvd. S.E. ton. 87.50 - —
l.c.l., dlvd. S. E. ton. 94.50 - —
Tallate, 6%, dms. lb. .21¾- —
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. 78.00 -79.00
So. American, 30% tannin, c.l., ex dock ton. 60.00 - —
Manna, flake, large, cs lb. 1.25 - 1.30
small, cs lb. .80 - .95
Mannitol, com'l, dms., works lb. .40 - .43
reagent, 50-lb. dms., works lb. .85 - —
Marjoram, Bohemian, bls lb. .20 - .21
Chilean, bls lb. .20 - .20½
French, bls lb. .29 - .29½
Peruvian, bls lb. .22 Nom.
Matico leaves, bls lb. .25 - .35
Melamine, bgs., ton lots, works lb. .33 - —
500 to 2,000-lb. lots, works lb. .33½- —
less 500 lbs., works lb. .38½- —
Menadione, USP, bots. gram. .06 - .06½
Menthol, natural, USP, Brazilian, cs lb. 5.85 - —
Chinese, cs. lb. 7.05 - —
synthetic, USP, racemic, cns. lb. 5.55 - —
Menthyl salicylate, tins lb. 4.00 - 4.25
Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld. lb. .34 - .35
less ton lots, same basis lb. .36 - .37
Mercaptobenzothiazyl disulphide, bgs., fib. dms., ton lots, works, frt. alld. lb. .42 - .42½
less ton lots, same basis lb. .44 - .45½
Mercury, ammoniated (see White precipitated).
Bichloride (see Corrosive sublimate).
Chloride (see Calomel).
Cyanide, NF VIII, powd., fib. dms. lb. 5.29 - —
Iodide, red, NF, fib. dms lb. 6.22 - —
yellow, NF, fib. dms lb. 6.47 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 4.64 - —
Mesityl oxide, dms., c.l., dlvd lb. 1.¾- .14¼
l.c.l., dlvd lb. .14 - .15
tanks, dlvd lb. .11½- .12½
Metaldehyde, dms., works lb. .95 - 1.25
Meta-aminophenol, distilled, dms., ton lots lb. 2.03 - —
less than ton lots lb. 2.50 - —
Metachloraniiin, dms., works lb. .60 - —
Metacresol, 98%, dms., c.l., works lb. .73½- —
l.c.l., works lb. .74½- —
Metanitroanilin, dms., frt. alld lb. 1.05 - —
Metanitroparatoluidin, bbls lb. 1.54 - —
Metaphenylenediamine, kgs., frt. alld. lb. .90 - —
Metatoluidine, bbls., c.l., works, frt. alld. lb. .78 - —
l.c.l., same basis lb. .80 - —
tankcars, same basis lb. .76 - —
Metatolylenediamine, fib. dms., frt. alld lb. .94 - 1.00
Methanol, natural, denaturing grade, dms., c.l., frt. alld gal. .78 - —
l.c.l., frt alld gal. .79 - —
tanks, frt alld gal. .70 - —
Prices on natural methanol W. of Miss., 3c. higher.
Methanol, synthetic, Zone 1, dms., c.l., frt. alld gal. .44 - .45½
l.c.l., frt. alld gal. .49 - .50½
tanks, frt. alld gal. .32 - .33½
Zone 2, dms., c.l., frt. alld gal. .49½- —
l.c.l., ex whse gal. .51 - .55
tanks, frt. alld gal. .35½- —
Synthetic methanol zones are:—Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of the U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine)
Methionine, dextro-laevo, fib. dms., frt alld. 50-lb or more lb. 4.55 - —
feed grade, 98%, fib., dms., same basis lb. 3.00 - —
97%, fib. dms., same basis lb. 2.97 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld lb. .61 - .64
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .19½- —
l.c.l., same basis lb. .20 - —
Methyl abietate, hydrogenated non-ret. dms., c.l., dlvd., zone 1 lb. .20 - —
l.c.l., same basis lb. .20½- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.
Acetone, natural, dms., c.l., E. of Miss., frt. alld gal. .57 - —
l.c.l., same basis gal. .68 - —
tanks, same basis gal. .45 - —
Natural methyl acetone prices W. of Miss. 3½c. per gal. higher.

Methyl acetone, synthetic, dms., c.l., dlvd. E. gal. .66½- —
l.c.l., dlvd. E gal. .72¼- —
tanks, dlvd. E gal. .54¼- —
Synthetic methyl acetone East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory is all States West of those four.
Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload works lb. .50½- —
tanks, works lb. .49 - —
Alcohol (see Methanol).
Anthranilate, cns. lb. 2.35 - 2.40
extra, cns lb. 2.65 - 4.40
Benzoate, cns., dms lb. .53 - .59
Bromide, jobbers, cyls., various sizes, works lb. .47 - .61
Chloride, indust., cyl., works lb. .18 - —
tanks, multi-unit works lb. .14 - —
single-unit, works lb. .11½- —
refrigerator mfrs., cyls., dlvd. lb. .39 - .43
other consumers or service men, cyls. dlvd lb. .486 - —
Cinnamate, cns lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Formate refd., dms lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .06 - —
tanks, works lb. .07 - —
Iodide, bots., works lb. 4.00 - —
cbys., works lb. 3.50 - —
Lactate, dms., l.c.l., works lb. .35 - —


Why severe impact won't crack an
EPON® RESIN finish
Competitive enamel chips under a 16 inch-pound impact.
Epon Resin-based enamel is unaffected by maximum impact of 28 inch-pounds.

THE SETUP: An impact tester which permits a falling 2-lb. weight to dent an enameled test panel. A variety of metal panels, including aluminum, was used—but the result was always the same.

The Result: Competitive enamels flaked and chipped off. *Epon Resin-based* enamels adhered to the metal without the slightest trace of failure. In fact, the Epon Resin finish successfully withstood a maximum impact of 28 inch-pounds, while conventional finishes failed at 16 inch-pounds or less.

The Reason: The Epon Resin molecule is an entirely new class of polymer with evenly spaced reactive groups which permit it to cure to a flexible film. Also, its polar nature contributes outstanding adhesion. As a plus value, Epon Resins have excellent resistance to detergents, caustic and many acids.

Write to your nearest Shell Chemical office for more information and samples.

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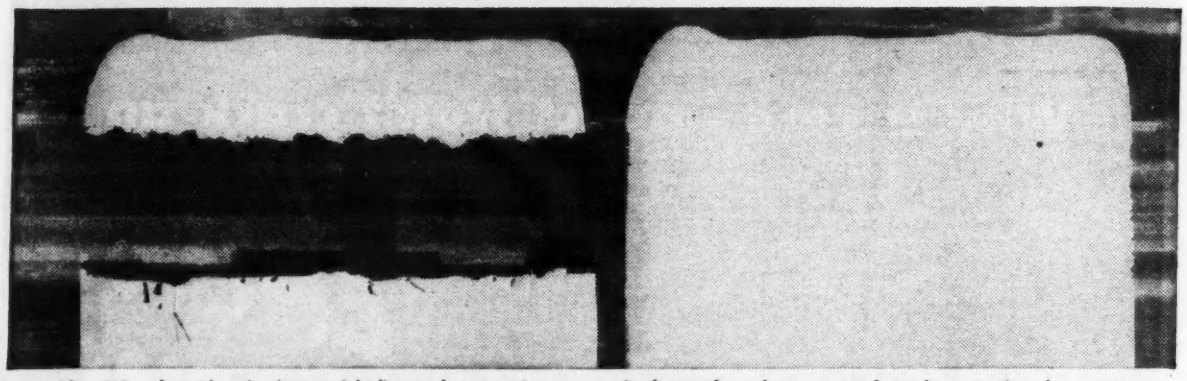
IN CANADA
Shell Oil Company of Canada, Limited
Toronto · Montreal · Vancouver

Methyl Methacrylate—Nitrocellulose, Spirit-Soluble

Methyl methacrylate, dms., c.l., and truckload, works..lb. .36½- —
less than truckload, works..lb. .37 - —
tanks, works ..... lb. .35 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms. ..... lb. 1.90 - 2.00
Roseanilin chloride, NF, fib. dms. lb. 5.40 - —
Salicylate, USP, dms., 500 lbs. lb. .50 - —
cns., 50 lbs..... lb. .55 - —
Testosterone, USP, 100 gms. gm. 1.75 - —
Methylal, refined, 95%, dms., c.l., works lb. .11 - —
l.c.l., works ..... lb. .12 - —
tanks, works..... lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. E..... lb. .16¾- —
l.c.l., dlvd. E..... lb. .17¾- —
tanks, dlvd. E ..... lb. .15 - —
Ketone, dms., works..... lb. 1.05 - —
Methylcellulose, special, vis., (1,500-4,000 cps.) 50-lb. bgs., c.l., works lb. .78 - —
2,000 lbs., and more, same basis lb. .80 - —
smaller lots, frt. alld. on 100 lbs. lb. .85 - .97
Methylcellulose, standard vis. (15-400 cps.), 50-lb. bgs., c.l., alld. lb. .66 - —
2,000 lbs. and more, same basis lb. .68 - —
smaller lots, frt. alld. on 100 lbs lb. .72 - .85
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 3.25 - 3.60
smaller lots, kgs., same basis lb. 3.40 - 3.60
Chloride, industrial, dms., c.l., dlvd. E lb. .13½- —
Methylethylketone, dms., c.l., dlvd. lb. .12¾- .13¾
l.c.l., dlvd. ..... lb. .13½- .14½
tanks, dlvd. ..... lb. .11 - .12
Methylethylpyridin, dms., c.l., works. lb. .47½- —
l.c.l. works..... lb. .48 - —
tanks, works..... lb. .46 - —
Methylheptin, carbonate, bots....lb.35.00 -45.00
Methylionone, A, cns..... lb. 6.55 - 8.80
D, cns. ..... lb. 7.50 - 9.55
prime, cns. ..... lb. 4.55 - 6.40
Methylisobutyl carbinol (See Carbinol methylisobutyl).
Ketone, dms., c.l., dlvd..... lb. .14¾- —
l.c.l., dlvd. ..... lb. .15½- —
tanks, dlvd. ..... lb. .13 - —
Methylnaphthyl, ketone, cans....lb. 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol).
Methylphenylpyrazolone, 250-lb. dms., dlvd. lb. 1.60 - 1.70
less than 250 lbs., dms., dlvd. lb. 1.80 - 1.90
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .04½- —
roofing, 20 to 80 mesh, works lb. .03½- —
wet-grd., biotite, bgs., c.l., works, frt. alld.. E lb. .05¾- —
l.c.l., ex whse. or frt. alld. E lb. .06½- —
extra fine, bgs., c.l., works, frt. alld.. E lb. .05¾- —
l.c.l., ex whse. or frt. alld. E lb. .06½- —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E..lb. .08 - —
Mica, wet-grd., rubber, bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E..lb. .07¼- —
l.c.l., ex whse. or frt. alld. E..lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher.; W. of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., cl..lb. .15¾- .18¾
spray, bbls., c.l..... lb. .17¾- .19¾
whole, roller, bbls., c.l..... lb. No prices.
spray, bbls., c.l..... lb. .37 - .44½
Sugar, crude, bgs., c.l., works. lb. .18 - —
Milk sugar, edible, bgs., works, 30,000-lb. lots, works..lb. .24 - —
2,000-lb. lots, works . lb. .24¾- —
200-1,800-lb. lots, works lb. .25¼- —
Edible milk sugar in fib. dms., 1c. higher.
USP, fib. dms., 30,000-lb. lots, works lb. .29 - —
2,000-lb. lots, works..... lb. .29¾- —
200-1,800-lb. lots, works . lb. .30¼- —
USP milk sugar in bgs., 1c lower.
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap, feed grade, tanks, New Orleans..gal. .15 - —
New York..... gal. .17 - —
Molybdenum metal, 99% Mo, powd., kgs lb. 3.00 Nom.
Trioxide, pure, kgs., works, basis Mo. content..lb. 1.35 - —
technical, kgs., works, basis Mo. content..lb. 1.13 - 1.14
Monochlorobenzene, dms., c.l., frt. alld. or dlvd. E...lb. .10½- .11¼
l.c.l., same basis..... lb. .11½- .12¼
tanks, same basis..... lb. .09 - .10
Monochlorobenzene prices in the West, 1¼c. higher.
Monoethanolamine, dms., c.l., dlvd. E. lb. .29¾- —
l.c.l., same basis..... lb. .30¾- —
tanks, same basis..... lb. .28 - .30
Monoethylaniline, dms., c.l., works..lb. .33 - —
amine, dms., c.l., dlvd..lb. .32 - —
l.c.l., dlvd..... lb. .33 - —
tanks, dlvd..... lb. .30¼- —
Monoethylamine, 70% contained
Monoethylanilin, dms., c.l., frt. alld. lb. .51 - .57
l.c.l., frt. alld..... lb. .52 - .58
tanks, frt. alld..... lb. .50 - .56
Monoethylorthotoluidin, bbls..... lb. .80 - —
Monoisopropylamine, dms., c.l., frt. ald. E. of Rockies..lb. .29½- —
l.c.l., same basis..... lb. .30½- —
tanks, same basis ..... lb. .28½- —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%, lb. .35 - —
l.c.l., same basis ..... lb. .35½- .36
tanks, same basis..... lb. .31 - —
Monosodium nuoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate, monobasic.
Phosphate (see Sodium phosphate monobasic).
Mono-tertiary-butylmetacresol, dms., c.l., works..lb. .49 - —
l.c.l., works..... lb. .50 - —
tanks, works ..... lb. .48 - —
Morphine, cns. ..... oz.12.40 -12.60
Acetate, anhyd., cns..... oz. 9.95 -10.00
Hydrobromide, cns ..... oz. 9.90 - 9.95
Hydrochloride, NF, cns..... oz. 9.90 - 9.95
Sulphate, USP, cns..... oz. 9.90 -10.05
Morpholine, dms., c.l., dlvd. E lb. .60¾- —
l.c.l., dlvd. E..... lb. .61¾- —
tanks, dlvd. E..... lb. .59 - —
Mullein flowers, cs..... lb. 2.00 - 2.05
Leaves, bls. ..... lb. .21 - .25
Musk, natural, Tonquin grains, bots. oz.40.00 -55.00
synthetic, ambrette, 100-lb. lots, fib. dms..lb. 5.35 - —
25-lb. lots, cns..... lb. 5.40 - —
5-lb. lots, cns..... lb. 5.55 - —
ketone, 100-lb. lots, fib. dms. lb. 5.30 - —
25-lb. lots, cns..... lb. 5.35 - —
5-lb. lots, cns..... lb. 5.50 - —
xylol, 100-lb. lots, fib. dms...lb. 1.50 - —
25-lb. lots, cns..... lb. 1.55 - —
5-lb. lots, cns..... lb. 1.70 - —
Musk root, bls..... lb. 1.60 - 1.65
Mustard seed, Calif. brown bgs., f.o.b. source lb. .12 - —
Danish, yellow, bgs..... lb. .11 - .13½
Dutch, yellow, bgs..... lb. .10½- .12
English, yellow, bgs..... lb. .13 - .14
German, yellow, bgs..... lb. .17 - .17½
Japanese yellow, bgs..... lb. .10 - .10¼
Montana, brown, bgs., f.o.b. source, Sept.-Oct. shipment..lb. .08 - —
oriental, bgs., source, Sept.-Oct. shipment lb. .07 - —
yellow, bgs., source, Sept.-Oct. shipment..lb. .10 - —
Myrobalans, J1, ord. bgs., ex dock. ton.47.00 - —
assorted, ex dock..... ton.48.50 - —
crushed, bgs., ex dock..... ton.65.00 -66.00
J2, bgs., ex dock..... ton. No prices.

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, tanks, frt. equald..lb. .0625- .0700
78°, dms., c.l., same basis..lb. .0765- .0840
l.c.l., same basis..... lb. .0790- .0865
tanks, same basis..... lb. .0675- .0750
refined, industrial, bbls., c.l., frt. equald..lb. .11¾- —
bgs., c.l., same basis....lb. .11¼- —
tanks, same basis..... lb. .10¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis, lb. .14½- —
cs., 50 lbs., c.l., same basis lb. .14¾- —
1-lb. pkgs., c.l., same basis lb. .17 - —
imported, crude, 78° large lots, lb. .04½- .04¾
Neocinchophen, USP, dms., frt. adjusted..lb. 7.00 - 8.00
Neomycin, fib. dms., 100-kilo lots gm. .60 - —
1-kilo lots ..... gm. 1.20 - —
Nepheline syenite, glass, 24 mesh, bulk, works ..... ton.14.25 - —
pottery, 200 mesh, bulk, works, N.Y..ton.18.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns... ..... lb. 2.25 - 2.65
Niacin (see Acid nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd..... lb. .60 - .60¼
Carbonate, bbls., dlvd..... lb. .66¼- —
Chloride, bbls., dlvd..... lb. .34½- —
Cyanide, bots., dms..... lb. 2.75 - 4.50
Formate, bbls., ton lots, frt. alld. lb. .58½- .59¼
Metal, electro cathodes, cs., works. lb. .56½- —
Nitrate, bbls., works..... lb. .33½- —
Oxide, black, bbls..... lb. .63¼- —
Sulphate, bgs., c.l., dlvd..... lb. .26¼- —
l.c.l., dlvd..... lb. .26¾- —
Nicotinamide, USP, dms., frt. adjusted kilo.12.00 -12.30
Hydrochloride, dms., frt. adjusted kilo.11.50 -11.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs. dm.49.40 - —
10-lb. tins, dealers, frt. alld. on cases of 6..tin.10.85 - —
Nikethamide, cbys..... lb. 7.50 - 8.00
Nitrobenzene, dbl. dist., dms., c.l., frt. alld..lb. .10½- .11
l.c.l., frt. alld..... lb. .11½- .12
tanks, frt. alld..... lb. .09½- .10
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works..lb. .33 - —
l.c.l., same basis....lb. .34 - .36
18-25 cps., bbls., c.l.....lb. .35 - —
l.c.l., same basis..... lb. .36 - .38
250-400, 600-1,000 secs., bbls., same basis..lb. .42 - —
l.c.l., same basis..lb. .43 - .45
spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., c.l., same basis. lb. .43 - —
l.c.l., same basis .....lb. .46 - .48
5-6, 40-60 secs., bbls., c.l., same basis..lb. .44 - —
l.c.l., same basis....lb. .45 - .47
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.



After 500 cycles with a Gardner straight line scrub tester using a 2% soap solution this .0015 thickness dry film straight latex paint (popular commercial brand) has been completely scrubbed away.

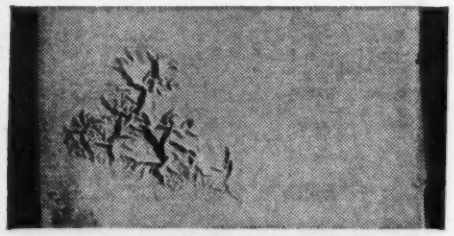
Scrub tested on the same panel, at the same time, latex paint modified with Aroplaz 1274 at 50% of vehicle solids shows no wear. Paints based on Aroplaz 1274 are *really* scrubbable.

For Latex Paints

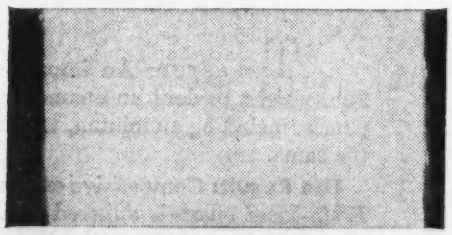
AROPLAZ 1274

a new, long oil, oxidizing alkyd for fortifying latex paints

- **GREATER ADHESION** to all types of surfaces . . . Even on non-porous enamel, or gloss trim.
- **GREATER WATER RESISTANCE** in the early stages of drying. No long curing period needed with Aroplaz 1274.
- **GREATER RANGE OF PIGMENTATION** — Makes possible adjustment in sheen — from satin to true flat.
- **GREATER ECONOMY** — costs no more than the latex ingredients and permits more economical formulation by permitting greater pigment volume with low-cost extenders.
- **GREATER COLOR RETENTION** — doesn't yellow even after long periods of exposure to sunlight. Maintains true color indefinitely.
- **GREATER HIDING POWER** — can be used over dark or light areas and will completely cover the old surface with one coat.
- **GREATER FREEZE-THAW STABILITY** — can be used after it has been frozen and thawed several times — makes storage and transportation safer.



This blister was caused by a drop of water placed on a latex paint 24 hours after the surface was covered. Water spotting leads to customer complaints and fewer repeat orders.



A drop of water on latex paint modified with Aroplaz 1274 at 50% of vehicle solids 24 hours after application. Aroplaz 1274 has great resistance to water spotting during the EARLY stages of drying. No customer complaints from this.

U.S.I. INDUSTRIAL CHEMICALS CO.
Division of National Distillers Products Corporation
120 Broadway, New York 5, N. Y.
Offices in Principal Cities

Nitroethane, dms., dlvd. E. of Rockies, lb. .25 - —
Nitrogen solution, tanks, works, N. ton.120.00 - —
Nitrogenous process tankage, bulk, works .....unit-ton. 5.00 Nom.
Sewage sludge, bulk, works.. unit-ton. 3.75 + .50
Nitromethane, dms., l.c.l., dlvd. E. of Rockies..lb. .25 - —
Nitropropane 1, dms., dlvd. E. of Rockies..lb. .23¼- —
2, dms., dlvd. E. of Rockies..lb. .25 - —
Nonylphenol, dms., c.l., works .lb. .33¼- —
l.c.l., works .....lb. .33¾- —
tanks, works.....lb. .32¼- —
Nutgalls, Aleppo, bgs.....lb. .38 - —
Chinese, bgs .....lb. .32 - —
Istrian, bgs.....lb. .31 - —
Nutmeg, East Indian, whole, cs..lb. .35 - .36
shrivels, bgs.....lb. .34 - .35
West Indian, bgs., afloat.....lb. .30 - .30½
Nux vomica, bls .....lb. .10 - .12
powdered, bbls., bxs.....lb. .13 - .14

O

Octane, 100° 140°C., industrial grade, group 3, dms., c.l gal. .19 —
l.c.l. .....gal. .21 - .60
tanks .....gal. .15½- —
10°C., b.r., Bayonne, N. J., tanks, gal. .18 - —
Octanol, normal, tech., dms., c.l., dlvd lb. .419 - —
l.c.l., dlvd. .....lb. .439 - —
tanks, dlvd. .....lb. .394 - —
Octyl methacrylate, normal, dms., less than truckload, works, lb. .83 - —
Octylphenol, dms., c.l., works..lb. .26¾- —
l.c.l., works.....lb. .27¼- —
tanks, works.....lb. .25¾- —
Oil, abies, siberica, cns .....lb. 2.90 - 4.25
Almond, artificial, bitter (see Benzaldehyde).
natural, bitter, F.P.A., bots..lb. 2.75 - 4.75
NF, bots, ...lb. 2.85 - 3.75
sweet, USP, dms., cns....lb. .55 - .90
Allspice (see Oil, pimento).
Amyris, dms .....lb. 1.80 - 2.00
Angelica root, bots.....lb.80.00 -115.00
seed, bots .....lb.50.00 -100.00
Anilin (see A).
Anise, USP, Chinese, dms.....lb. 1.85 - 2.35
Apricot kernel, USP, dms.....lb. .48 - 70
Avocado, cns., dms.....lb. No prices.
Babassu, crude, tanks .....lb. No stocks
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.55 - 1.90
55-60%, cns .....lb. 1.65 - 2.10
West Indian, 50-55%, cns., dms. lb. 1.50 - 2.10
Bergamot, artif., cns .....lb. 2.90 - 5.25
natural, NF, Italian, cns.....lb.14.75 -15.00
Birchtar, crude, cns.....lb. 1.50 - 2.00
rectified, NF, cns.....lb. 2.65 - —
Bois de rose, Brazil, dms.....lb. 4.15 - 4.70
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....lb. .65 - .70
Cajeput, redist., USP, cns.....lb. 2.90 - 3.00
tech., dms.....lb. 2.50 - 2.60
Calamus, cns. .....lb.20.00 -25.00
Camphor sassafrassy, dms.... lb 26 42
white, dms .....lb. .26 - .50
Cananga, native, cns.....lb. 9.00 -10.00
rectified, cns.....lb.10.90 -12.50
Capsicum (see Capsicum oleoresin)
Caraway, NF, cns.....lb. 3.75 - 4.25
Cardamom, NF, bots .....lb.45.00 -65.00
Cassia, USP, cns., dms.....lb. 5.00 - 6.25
Castor, blown, dms., c.l.....lb. .3000- —
l.c.l. .....lb. .3050- —
dehydrated, bodied, dms., c.l., lb. .3310- —
l.c.l. .....lb. .3360- —
tanks .....lb. .3210- —
unbodied, dms., c.l.....lb. .3160- —
l.c.l. .....lb. .3210- —
tanks .....lb. .3060- —
hydrogenated, bgs. .....lb. .3525- .3575
No. 1, Brazilian, tanks.....lb. .2575- .2650
USP, dms., c.l. .....lb. .2800- —
l.c.l. .....lb. .2850- —
tanks .....lb. .2700- —
refined and deodorized, dms., c.l. lb. .2950- —
l.c.l. lb. .3000- —
tanks .....lb. .2850- —
No. 3, tech., dms., c.l.....lb. .2775- —
l.c.l. .....lb. .2825- —
tanks .....lb. .2675- —
sulphonated, 50% (48% fat), dms., l.c.l. lb. .17 - .17½
75% (60-62% fat), dms., l.c.l. lb. .24 - .24½
Cedarleaf, cns., dms.....lb. 2.30 - 2.75
Cedarwood, cns., dms.....lb. .53 - .63
Celeryseed, bots.....lb.16.50 -21.00
Chamomile, blue, Hungarian, bots. lb.275.00 -280.00
Chaulmoogra, NF, cns., dms. lb. .55 - .70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots....lb.25.00 -60.00
leaf, Ceylon, bots .....lb. 2.25 - 3.25
Citronella, Ceylon, cns., dms..lb. .62 - 1.05
Java, true, cns .....lb. 1.10 - 1.90
Java type, cns .....lb. .52 - 1.00
Clove, USP, from buds, cns., dms. lb. 7.50 - 8.50
Coconut, crude, tanks, New York, lb. .10¾- —
Pac. coast.....lb. .09½- —
refined, Cochin type, tax incl., ret. dms., l.c.l...lb. .17¾- —
deodorized, tax incl., non-ret. dms., l.c.l..lb. .19¼- —
Cod, Newfoundland, dms.....lb. .11½- .12
Codliver, USP, dms.....lb. 1.55 - 1.65
Copaiba, cns.....lb. 2.10 - 2.50
Coriander, USP, bots.....lb.23.00 -25.00
Corn, crude, tanks, works.....lb. .14¼- .14¼
foots (soapstock), acid, 95%, tanks, N. Y..lb. .04¼- —
raw, 50%, tanks, same basis. lb. .01⅞- —
refined, dms. .....lb. .18⅜- .19¼
tanks .....lb. .17⅜- —
Costus, bots.....oz.16.50 -25.00
Cottonseed, crude, tanks, Southeast..lb. .13⅜- —
Valley .....lb. .13⅜- —
Texas .....lb. .13⅜- —
foots (soapstock), acid, 95%, tanks, N. Y..lb. .02½- —
raw, 50%, tanks, same basis. lb. .01 Nom.
salad, dms.....lb. .18¾- .19
tanks .....lb. .17¼- —
Creosote (see Creosote, coaltar).
Croton, cns.....lb. 4.30 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns.....lb. 5.50 - 6.75
Cumin, bots.....lb. 5.00 - 6.00
Cypress, bots .....lb. No stocks.
Detras (see D).
Dillseed, India, bots .....lb. 3.55 - —
Dillweed, domestic, bots., dms..lb. 3.60 - 4.05
Dip (see D).
Erigeron, cns lb 6.50 7.50
Eucalyptus, NF, rectified, 80-85%, dms..lb. 1.25 - 1.50
70-75%, dms .....lb. 1.05 - 1.15
Fennel, sweet, USP, cns.....lb. 2.75 - 3.00
Fir, Canada, cns .....lb. 2.65 - 3.40
Fish, refined, alkali, dms.....lb. .1410- —
kettle-bodied, dms. .....lb. .1610- —
light-pressed, dms. .....lb. .1260- —
tanks .....lb. .11 - —

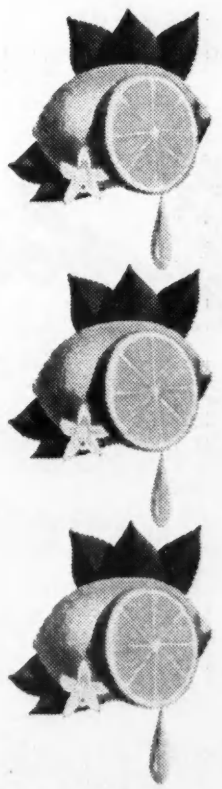
Oil, fishliver, crude, for feeds for concentrating, 4,000 to 12,000 A units per gm., dms., 1,000,000 units. .12 - .13½
10,000 to 20,000 A units per gm., dms 1,000,000 units. .12 - .12½
25,000 to 35,000 A units per gm., dms 1,000,000 units. .12 - .12½
40,000 to 55,000 A units per gm., dms 1,000,000 units. .12 - .13
prime, nat. or conc., 100,000 A units per gm., dms. 1,000,000 units. .13 - —
200,000 A units per gm., dms. 1,000,000 units. .15 - —
300,000 A units per gm., dms. 1,000,000 units. .15 - —
400,000 A units per gm., dms. 1,000,000 units. .15 - —
500,000 A units per gm., dms. 1,000,000 units. .15 - —

Prices above are based on the USP XIV method of conversion. Morton-Stubbs Corrected E x 1900.

Fusel (see F).
Garlic, pure, bots.....oz. 6.50 - 8.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.10.75 -26.00
Bourbon, cns.....lb.12.25 -17.50
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.15.00 -16.50
Grapefruit, dms .....lb. 2.25 - 2.75
Grease, No. 1, dms .....lb. .10½- .11¼
extra, winter, strained, dms..lb. .11½- .12
prime, burning, dms.....lb. .12½- .13
Guaiacwood, cns .....lb. 1.80 - 2.10
Hemlock, cns .....lb. 2.10 - 2.50
Juniper berry, NF, VIII, bots..lb. 2.50 - 2.75
twice rectified, bots .....lb. 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech., cns .....lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, dms., cns .....lb. 9.75 12.50
Lavandin, dms., cns.....lb. 3.00 - 4.50

Oil, lavender, flower, USP, French, 30-32% ester, cns.....lb. 3.00 - 4.75
38-40% ester, cns.....lb. 4.85 - 6.75
40-42% ester, cns.....lb. 6.50 - 7.75
Spike, Spanish, cns.....lb. 1.50 - 2.00
Lemon, USP, Calif., cns., dms lb. 5.85 - 6.00
Messina, cns. .....lb. 5.85 - 9.00
Lemongrass, cns., dms.....lb. 1.30 - 1.55
Lignaloe wood, Mexican, cns lb. 3.75 - 4.80
Lime, distilled, Mexican, cns..lb. 7.15 - 7.85
West Indian, cns .....lb. 7.40 - 8.25
expressed, West Indian, cns..lb. 7.25 - 8.50
terpeneless, bots .....lb.45.00 -65.00
Linseed, raw, dms., c.l., N.Y..lb. .1890- —
l.c.l. .....lb. .1940- .1950
tankcars, f.o.b. Minneapolis lb. .1600- —
New York .....lb. .1725- —
tankwagon, N. Y.....lb. .1755- —
Boiled, linseed oil, 006c. per lb. higher.
Mace, dist., cns., dms.....lb. 3.50 - 4.25
Mandarin, Floridian, dms..... lb. 4.00 - 5.00
Italian, cns .....lb. 7.50 -12.00
Menhaden, crude, tanks, Balto. lb. .06½- —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms. lb. .19¼- .19¾
synthetic, cns. dms..... lb. 1.70 1.85
Neatsfoot, 15°, dms.....lb. .31 - .33
20°, dms. .....lb. .30 - .32
30°, dms. .....lb. .28 - .30
Neroli, NF, French bots.....lb.210.00-270.00
petale, bots. .....lb.45.00 - —
Nutmeg, USP dist. East Indian, cns., dms..lb. 3.35 - 4.03
West Indian, cns., dms..lb. 3.15 - 3.50
Ocotea cymbarum, dms.....lb. .65 1.05
Oiticica, liquid, dms.....lb. .23½- .24
tankcar .....lb. .22 - —
Oleo, extra, dms .....lb. .15 - .15½

Oil, olibanum, bots.....lb. 5.50 - 7.65
extra fine, bots .....lb. 8.00 - —
Olive, commercial, dms .....gal. 2.00 - 2.05
edible, dms., duty paid.....gal. 2.25 - 2.40
foots, dms. .....lb. .15 - .15½
Orange, sweet, dist., cns .... lb. .85 1.10
expressed, USP, Brazilian, cns., dms lb. No stocks.
Calif., cns. .....lb. 1.75 - 2.75
Florida, cns., dms.....lb. 1.75 - 2.25
Messina, cns .....lb 4.00 5.85
West Indian, cns .....lb 2.75 3.35
sesquiterpeneless, bots.....lb.175.00 -180.00
Origanum, Spanish, cns.....lb. 2.15 - 2.75
Palm, clarif., dms.....lb. .1220- —
tankcars .....lb. .1035- —
Palmarosa, cns .....lb. 7.00 9.00
Paraffin pale, 100-110 vis., at 100°F tanks, East Coast refinery gal. .14 —
Patchouli, dms .....lb. 7.25 -14.75
Peach kernel, USP (see Oil, apricot kernel)
Peanut, crude, tanks, Southeast. lb. .17 - —
refined, dms.....lb. .21½- .22
tanks .....lb. .20 - —
Pennyroyal, USP, imported, cns lb. 2.00 - 3.00
Peppermint, natural, dms ...lb. 6.80 - 7.50
redist., USP, dms .....lb. 7.10 - 8.30
Persic, USP (see Oil, apricot kernel).
Perilla, crude, dms .....lb. No stocks.
Petitgrain, Paraguay, cns .....lb. 2.65 - 3.10
Pimento berry, NF, dms.....lb. 4.70 - 5.75
leaf, cns .....lb 2.55 2.85
Pine, dest. dist., dms., extra, c.l., works gal. 73½- —
t.c.l. .....gal. 76½ —
whse. .....gal. .95½- —
steam dist., dms., ex whse., N.Y.C lb. .127 .128



FOR Superior FLAVOR

FOR Unmatched CLARITY

FOR Consistent UNIFORMITY

8 OUT OF 10 BUY...

EXCHANGE OIL of LEMON

When any product sells four times as well as all of its competition combined, that's a sure sign of quality. No product can hold such a dominant sales position year in and year out unless it fulfills all of the exacting requirements of thousands of quality-conscious buyers. Exchange Oil of Lemon does just that...with a consistency and regularity that have made it the standard in its field. So little Lemon Oil goes so far, why risk buying anything but the best?

Always specify it by the brand name when you order—

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Exchange
OIL OF
LEMON
U.S.P.

SUNKIST GROWERS
PRODUCTS DEPARTMENT
ONTARIO, CALIFORNIA
Producing Plant:
Exchange Lemon Products Co.
Corona, California

Oil, Pineneedle—Paraformaldehyde, Technical

Oil, pineneedle, Siberian (see Oil, abies siberica).
Putty, petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .10 - —
Rapeseed, tankcars lb. .17½- .17¾
Red (see Acid, oleic).
Rice, bran, clarif., dms lb. .16½- .17
crude, tanks, dlvd. E lb. .12 - —
refd., salad, tanks, dlvd. E lb. No stocks.
Rose, natural, Bulgarian, bots oz. 42.25 -62.25
Rosemary, Spanish, tech., cns., dms lb. .60 - .90
USP, cns., dms lb. .80 - 1.10
Rue, bots lb. 2.25 - 2.65
Safflower, dms., c.l., works lb. .16 - —
tanks, works lb. .15 - —
Sage, clary, bots lb. 22.50 -23.00
Dalmatian, cns lb. 9.25 10.75
Spanish, cns lb. 1.00 - 1.40
Sandalwood, NF, cns lb. 9.00 -11.00
Sardine, crude, tanks, Pac. coast, lb. .07½- .09
Sassafras, artificial, dms lb. .55 - .95
natural Brazilian (See Oil, ocotea cymbarum).
domestic, USP, cns., dms lb. 1.90 - 2.20
Savin, cns lb. 2.75 - 3.00
Savory, cns. lb. No stocks.
Sesame, refd., dms., l.c.l lb. .37 - .38
Shingle stain, tar distillate, dms., c.l., works lb. .31 - —
l.c.l., works lb. .33 - —
tanks, works lb. .21 - —
Snakeroot, Canada, cns lb. 31.00 -35.00
Soybean, crude, tanks, mills lb. .11⅝- —
foots (soapstock), acid, 95%, tanks, N.Y. lb. .04⅝- —
raw, 50%, tanks, N.Y. lb. .02¼- —
Oil, soybean, refined, alkali, dms., c.l. lb. .16 - —
l.c.l. lb. .16½- .16¾
tanks lb. .14½- —
clarified, dms., c.l. lb. .15¼- —
l.c.l. lb. .15¾- .16
tanks lb. .13¾- —
salad, dms. lb. .16 - .16½
tanks lb. .14½- —
Spearmint, USP, dms lb. 8.00 - 8.75
Sperm, bleached, winter, 42°, dms lb. .1630- .1660
tankcars lb. .1520- —
natural, winter, 45°, dms lb. .1510- .1560
tankcars lb. .1400- —
Spruce, cns., dms lb. 2.10 - 2.75
Sweet birch, USP, Northern, cns. lb. 4.95 - 8.00
Southern, cns lb. 2.00 - 3.25
Tall, crude, tanks, works lb. .03 - .03¼
refined, dms., c.l., works lb. .06½- .07½
l.c.l. works lb. .06¾- .07¾
tanks, works lb. .05¼- .06¼
Tallow, acidless, dms lb. .09¾- .10¼
Tansy, dms lb. 8.25 - 9.00
Tar, pine, com'l, dms., extra, c.l., works lb. .0488- —
l.c.l., works lb. .0545- —
whse. lb. .0655- —
tanks, works lb. .041 - —
rectified, N.F., l.c.l., dms. ex. tra, works, South gal. .67 - —
whse. N.Y.C. gal. .77 - —
Tar acid (see T).
Theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms lb. 1.90 - 3.75
white, cns lb. 2.25 - 4.00
Tung, dom., tanks, mills lb. No stocks.
imported, dms., c.l. lb. .40 - —
l.c.l. lb. .40½- —
tanks lb. .36½- .38¾
Oil, turkey red (see Oil, castor, sulphonated).
Turpentine, NF, cns., dms lb. .36 - .63
Vetiver, Bourbon, cns lb. 22.00 -30.00
Haitian, cns lb. 18.75 -26.00
Java, cns lb. 35.00 - —
Wheat germ, s-gal. dms gal. 10.00 -13.00
White mineral, tech., 50-65 vis., dms., c.l. gal. .51½- .54½
l.c.l. gal. .56½- .57½
65-75 vis., dms gal. .52½- .55½
l.c.l. gal. .57½- .58½
NF, 80-90 vis., dms., c.l. gal. .53½- .56½
l.c.l. gal. .58½- .59½
125-135 vis., dms., c.l. gal. .59½- .62½
l.c.l. gal. .64½- .65½
145-155 vis., dms., c.l. gal. .66 - .68½
l.c.l. gal. .71 - .71½
175-185 vis., dms., c.l. gal. .69½- .73
l.c.l. gal. .74½- .76
USP, 200-210 vis., dms., c.l. gal. .72½- .75
l.c.l. gal. .77½- .78
345-355 vis., dms., c.l. gal. .77 - .80
l.c.l. gal. .83 - .85
Wintergreen, USP, nat., Northern, cns lb. 5.75 -14.50
Southern, cns lb. 3.25 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns lb. 8.75 -10.50
Wormwood, cns. lb. 6.00 - 6.85
Ylang-ylang, Bourbon, bots lb. 18.00 -30.00
extra, bots lb. 39.00 -40.00
Madagascar, bots lb. No stocks.
Oleostearin, bbls lb. .14 - .14½
Olivine aggregate, c.l., mines ton. 7.00 - 9.50
crushed 8 mesh, bulk, c.l. works ton. 10.00 - —
paper, bgs, c.l., works ton. 12.00 - —
Opium, USP, cns lb. 19.20 -19.45
gran., USP, cns lb. 21.65 -21.90
powd., USP, cns lb. 21.65 -21.90
Orange, cadmium, lithopone, bbls., frt. alld. E. of Rockies lb. 1.52 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., include Davenport, Tenn. and N. C. E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .31 - —

Chrome orange prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex., 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City. Wichita prices are equalized with Chicago.

Dinitroanilin toner lb. 1.30 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld. lb. .2210- —
Molybdated, bbls lb. .44 - —
Orthonitroanilin toner, kgs lb. 1.15 - —
Persian, bbls lb. .65 - —
Orange flowers, bls lb. .55 - .56
Peel, bitter, Haitian, bls lb. .11 - .14
sweet, bls lb. .14 - .16
Oregano, Italian, bgs lb. .17 - .17½
Mexican, bgs. lb. .15 - .18½
Portuguese, bgs lb. .16 - .16½
Orris root, Florentine, bls lb. .20 - .22
powdered, bbls., bxs lb. .25 - .26
Verona, bls lb. .14 - .15
powdered, bbls., bxs lb. .19 - .24
Orthoaminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .37 - —
Orthoanisidin, bbls lb. .88 - —
Orthochloroanilin, dms., c.l. lb. .65 - —
l.c.l. lb. .67 - —
Orthochlorobenzaldehyde, dms., works lb. 1.18 - —
Orthochloroparanitroanilin, dms., dlvd lb. .86 - —
Orthochlorophenol dms., c.l., frt. equald lb. .34½- —
l.c.l., same basis lb. .35½- —
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald lb. .198 - —
l.c.l., same basis lb. .201 - —
ret. dms., c.l., same basis lb. .195 - —
l.c.l., same basis lb. .20 - —
29° C, non-ret. dms., c.l., same basis lb. .188 - —
l.c.l., same basis lb. .191 - —
ret. dms., c.l., same basis lb. .185 - —
l.c.l., same basis lb. .19 - —
24-29° C, non-ret. dms., c.l., same basis lb. .178 - —
l.c.l., same basis lb. .181 - —
tanks, same basis lb. .165 - —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies lb. .11¾- .13¼
l.c.l., same basis lb. .12¾- .14¼
tanks, same basis lb. .10¼- .11¾
Orthoisopropyl N phenylcarbamate (see IPC).
Orthonitroanilin, dms lb. .50 - .58
Orthonitrochlorobenzene, dms lb. .20 - .21
Orthonitrobiphenyl tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Orthonitroparachlorophenol, cns lb. .75 - —
Orthonitrophenol, bbls. works lb. .94 - —
Orthonitrotoluene, dms., c.l., frt. alld. lb. .10 - —
l.c.l., frt. alld lb. .11 - —
tanks, frt. alld lb. .09 - —
Orthophenetidin, dms., works lb. 1.00 - —
Orthophenylphenol, fib. dms., works. lb. .20 - .44
Ortho-tertiary-amylphenol, dms., c.l., works lb. .43¾- —
l.c.l., works lb. .46¾- —
tanks, works lb. .41¾- —
Orthotoluidin, dms., c.l., works lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .22 - —
Osage orange, crystals, No. 1, bbls., l.c.l lb. .40 - —
extract, liquid, No. 1, bbls., l.c.l lb. .19 - —
Orthotolidin (see Tolidine Base).
Ouabaine, USP, bots gram. 3.00 - 4.00
Ox gall, dried, gran. or powd., dms., 5 lbs. or more lb. 4.35 - —
Oxyquinolin sulphate, cns., 100-lb. lots, works lb. 4.75 - 5.00
smaller lots, works lb. 5.28 - 5.38

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Pancreas substance, assay 1:75 bots. lb. 5.50 - 6.00
Pancreatin, USP, bots lb. 2.50 - 3.00
Panthenol, bots., works, frt. adjust. kilo. 90.00 - —
Papain, powd., African, dms lb. 6.45 - 9.00
Ceylon, dms lb. 5.50 - 6.00
Papaverine, natural or synthetic hydrochloride, USP, cns., 1,000 oz., lots oz. 3.70 - —
smaller lots oz. 5.00 - —
Sulphate, cns oz. 7.10 - 7.35
Para-anisidin, dms., works lb. .88 - —
Paprika, Algerian, bgs lb. .27 - .28
Czech, bgs. lb. .26 - .27
Moroccan, bgs lb. .23 - .24
Spanish, bgs., new crop lb. .33 - .35
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted lb. 17.50 -21.00
Para-aminophenol, dms., frt. alld lb. .97 - .98
Parachloroanilin, dms., frt. alld., E. of Miss lb. .75 - —
Parachlorobenzaldehyde, dms., works. lb. 1.24 - 1.37
Parachloro-orthonitroanilin, dms., frt. alld lb. .73 - .89
Parachlorophenol, dms., c.l., frt. equald lb. .34½- —
l.c.l., same basis lb. .35½- —
Paracresol, 98%, dms., dlvd lb. .50 - —
Methylether, cns lb. 2.15 - 2.50
Paracymene, dms., 50-gal. lots or more, works gal. 2.50 - —
smaller lots. gal. 3.00 - —
Paradibromobenzene, bgs., 500-lb. lots. lb. .55 - —
Paradichlorobenzene, dms., c.l., works lb. .14½- —
l.c.l., same basis lb. .17 - —
Paraffin, crude, scale, white, 120°F, AMP, solid, ctns., bbls., c.l., ref'y lb. .07 - —
tanks, same basis lb. .06 - —
fully refined, 123-124 ASTM, loose, c.l., ref'y lb. .0743- —
125°-127°F, ASTM, loose, c.l., ref'y lb. .0745- —
130°-132°F, ASTM, loose, c.l., ref'y lb. .0755- —
132°-134°F, ASTM, loose, c.l., ref'y lb. .0755- —
135°-137°F, ASTM, loose, c.l., ref'y lb. .0755- —

Prices for paraffin in bags and ctns., c.l., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb. higher.

Paraformaldehyde, tech., 91%, powd., bgs., c.l., frt. alld. lb. .15½- —
l.c.l., frt. alld lb. .17 - —
flake, bgs., c.l., frt. alld lb. .12 - —
l.c.l., frt. alld lb. .13½- —

Another example of Felton's Outstanding Achievements in Synthesis!

ANNOUNCING FELTON'S SENSATIONAL NEW IMITATION COFFEE FLAVOR!

Revolutionizing the use of highly popular coffee aroma and flavor in all sorts of products.

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IMITATION COFFEE FLAVOR

FLAVORS • ESSENTIAL OILS • AROMATICS
FELTON CHEMICAL COMPANY, INC.
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PLANTS: Brooklyn, N. Y. • Los Angeles, Cal. • Montreal, Que. • Paris, France
SALES OFFICES: Atlanta • Boston • Chicago • Dallas • Philadelphia St. Louis • Toledo • Toronto
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Today, progressive manufacturers are utilizing new chemicals in their products. In many cases, these chemicals require new synthetic aromatics to perfume or flavor finished products properly. Felton has pioneered in the development of new aromatics and can help you immeasurably with your own perfuming or flavoring problems.

KEEP COMPETITIVE! KEEP PROGRESSIVE! CONSULT FELTON!

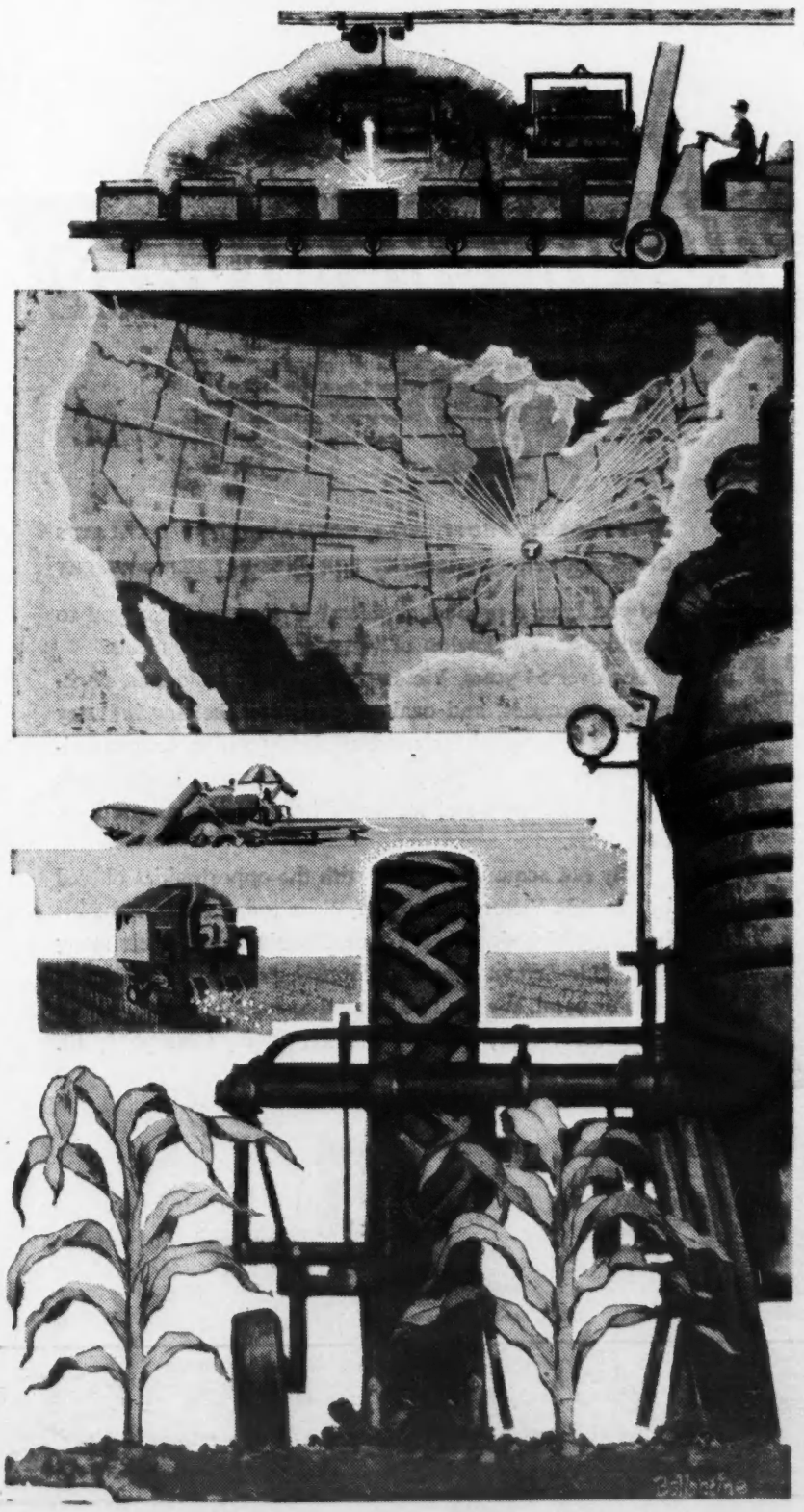
Paraformaldehyde, USP X, fib. dms., c.l. lb. .198 - —
USP X, fib. dms., c.l. lb. .198 - —
10,000-lb. lots lb. .198 - —
1,000-lb. lots lb. .198 - —
smaller lots lb. .208 - —
Paraldehyde, tech., 98%, 55-gal. dms., c.l., works lb. .16½- —
l.c.l., works lb. .17½- —
tanks, works lb. .15 - —
Paranitroanilin, dms., c.l., works, frt. alld. lb. .47½- —
l.c.l., works, frt. alld. lb. .50½- —
Paranitrochlorobenzene, kgs., works lb. .21 - .22
Paranitrophenol, kgs., works, frt. equald. lb. .46 - —
Paranitrotoluene, kgs., frt. alld. lb. .36 - —
Paraphenetidin, dms., works lb. .90 - —
Paraphenylenediamine, redistilled, dms., works lb. 2.30 - 2.80
tech., refd., dms., same basis lb. 1.10 - 1.30
Paraphenylphenol, bgs., c.l., works lb. .37½- —
l.c.l., same basis lb. .42 - —
Para-tertiary-butylphenol, bgs., c.l., works lb. .27½- —
l.c.l., same basis lb. .28½- —
Parathion, spray powder, 15%, dealers, tins lb. .53 - .59
tech., dms., works lb. 1.50 - —
Para-tertiary-amylphenol, ctns., c.l., works lb. .26 - —
l.c.l., works lb. .27 - —
tanks, works lb. .25 - —
Paratoluenesulphonamide, flake, bbls., frt. alld. lb. .64 - .66
powd., bbls., works lb. .70 - —
solid, bbls., frt. alld lb. .61 - —
Paratoluidin, flake, bbls., frt. alld. lb. .64 - .68
solid, bbls., frt. alld lb. .61 - —
Pareira brava root, whole, bgs lb. .30 - .35
ground, bxs lb. .40 - .48
powder, bxs lb. .43 - .50
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over lb. .35 - .38
l.c.l., same basis lb. .39 - .67
Passion flower herb, bls lb .25 - .28
Peanut meal, 45%, sacked, mills. ton. 100.00 Nom.
Pectin, citrous, NF, powd., bbls. lb. 2.05 - 2.06
tech., powd., bbls lb. 1.50 - —
Penicillin, crystalline potassium, unlabeled vials, 100,000 units. vl. .10 - —
200,000 units vl. .12¾- —
500,000 units vl. .22½- —
1,000,000 units vl. .38 - —
bulk, sterile, over 25,000,000,000 unit lots, 100,000 units. .018 - .020
tablet grade, over 25,000,000,000 unit lots, 100,000 units. .02¼- —
Procaine, bulk, over 25,000,000,000 unit lots, 100,000 units. .019 - .025
Sodium, unlabeled, vials, 100,000 units vl. .10½- —
200,000 units vl. .13¼- —
500,000 units vl. .23¾- —
1,000,000 units vl. .40 - —
2,000,000 units vl. 1.03 - —
bulk, over 25,000,000,000 unit lots, 100,000 units. .02¼- —
Pennyroyal herb, bls lb. .45 - .50
Pentachlorophenol, dms., c.l., works, frt. equald lb. .21 - —
l.c.l., same basis lb. .24 - .29
truckload, 20,000 lbs. min. same basis lb. .21¼- —
Pentaerythritol, tech., bgs., c.l., works lb. .33 - —
l.c.l., works lb. .34 - .36
Di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3. gal. 12 - .13⅛
Pepper, black, spot, bags lb. 1.70 - —
red, Carolina, long, bgs lb. .34 - .35
Haitian, bgs lb. .25 - .26
Japanese, hontakas, bgs lb. .38 - .40
birdseyes, bgs lb. .42 - .43
Louisiana longs, bgs lb. .30 Nom.
Mississippi sports, bgs., source, new crop lb. .30 Nom.
Mombasa, bgs lb. .44 - .45
Nigerian, bgs lb. .34 - .35
Sierra Leone, bgs lb. .43 - .44
Turkish, bgs lb. .27 - .28
white, bags lb. 1.68 - —
Peppermint leaves, USP, bls., dms lb. .50 - .52
imported, bls lb. 1.05 Nom.
Pepsin, NF, 1:3,000, bulk, containers lb. 3.73 - 3.90
Perchloroethylene, dms., c.l., or truckloads, works lb. .11 - —
dlvd. E lb. .12 - —
l.c.l., works lb. .11¾- —
dlvd. E lb. .12½- —
tanks, works lb. .10½- —
Peru balsam, dms lb. 1.40 - 2.15
Petrolatum, amber, dms., c.l., refy. lb. .04¾- .05⅛
l.c.l., dlvd. lb. .06½- —
tanks, refy lb. .03½- .04⅛
cream, dms., c.l., refy lb. .06 - .07⅛
l.c.l., dlvd. lb. .08¼- —
tanks, refy lb. .04¾- .05⅛
extra, amber, dms., c.l., refy lb. .05 - .05⅛
l.c.l., dlvd. lb. .06¾- —
tanks, refy lb. .03¾- .04⅛
USP, white, lily, dms., c.l., refy. lb. .06¾- .07⅛
l.c.l., dlvd lb. .08⅛- —
tanks, refy lb. .05¼- .06
soft, dms., c.l., refy lb. .06⅝- .07¼
l.c.l., dlvd. lb. .08¼- —
tanks, ref'y lb. .05⅝- —
snow, dms., c.l., refy lb. .06⅛- .08
l.c.l., dlvd. lb. .09¼- —
tanks, refy lb. .05⅝- .06½
yellow, soft, dms., c.l., refy lb. .05 - .05⅛
l.c.l., dlvd. lb. .06⅝- —
tanks, ref'y lb. .05⅜- —
Petroleum, crude, bulk, at wells, California bbl. 1.10 - 2.99
Illinois bbl. 2.44 - 2.87
Kentucky bbl. 2.42 - 2.83
Louisiana-Arkansas bbl. 2.08 - 2.90
Montana bbl. 1.28 - 2.775
Oklahoma-Kansas bbl. 2.16 - 2.65
Pennsylvania lower field bbl. 3.82 - —
Upper field bbl. 4.25 - —
Texas, East bbl. 2.65 - —
Gulf coast bbl. 2.38 - 2.95
North, North-Central bbl. 2.23 - 2.65
Panhandle bbl. 2.23 - 2.65
West bbl. 2.33 - 2.65
Wyoming bbl. 1.28 - 2.875
Fuel oil, bunker C, No. 6, California, heavy, tanks, refinery bbl. 1.95 - 2.15
light, tanks, refinery bbl. 2.00 - 2.25
eastern, tanks, Albany, N. Y. bbls. 2.80 - —
Baltimore, Md. bbl. 2.10 - —
Boston, Mass. bbl. 2.15 - —
Charleston, S. C. bbl. 2.00 - —
Jacksonville, Fla. bbl. 1.97 - —
N. Y. Harbor bbl. 2.10 - —
Norfolk, Va. bbl. 2.05 - —
Philadelphia, Pa. bbl. 2.10 - —
Portland, Me. bbl. 2.15 - —
Providence, R. I. bbl. 2.12 - —
Savannah, Ga. bbl. 2.00 - —
Diesel, tanks, refinery, California gal. .0825- .115
Pennsylvania gal. .0925- .1025

Petroleum, fuel oil, furnace, tanks, refinery, Arkansas, No. 2. gal. .06375- —
No. 3 gal. .06 - —
N. Y. Harbor, No. 2 gal. .0975- —
group 3, No. 1 gal. .08 - .0875
No. 1, straw gal. .09 - .09375
No. 2, straw gal. .07875- .085
range gal. .0975- .09
Pennsylvania, western, No. 1 gal. .105 - .1135
No. 2 gal. .105 - .109
No. 3 gal. .1025- .1053
Lacquer diluent, California, 170-225°F., b.r., tanks, ex tax, f.o.b. Los Angeles gal. .167 - .207
East coast, tanks, N. J. and N. Y. refinery gal. .18 - —
group 3, benzol-type, tanks, refinery gal. .13125- .13625
toluol-type, tanks, refinery gal. .12125- .12625
Mineral spirits, regular, California, tanks, ex tax, f.o.b. San Francisco gal. .147 - .157
East coast, tanks, N.J., N.Y. gal. .16 - —
Group 3, tanks gal. .10875- —
tankwagon, Baltimore gal. .175 - —
Boston gal. .18 - —
Buffalo gal. .185 - —
Newark gal. .17 - —
New York gal. .163 - .17
Philadelphia gal. .165 - —
Pittsburgh gal. .19 - —
Providence gal. .185 - —
Rochester gal. .20 - —
Syracuse gal. .21 - —
Washington, D. C. gal. .195 - —
specially refined, California, tanks gal. .182 - —
dlvd., E. of Rockies, tanks, gal. .30539- —
tankwagon, f.o.b. Carteret, N. J. gal. .536 - —

Petroleum naphtha, cleaners, East Coast, tanks, N. J. and N. Y. refinery gal. .16 - —
Group 3, tanks gal. .11875- —
tankwagon, Newark gal. .17 - —
New York gal. .17 - —
Philadelphia gal. .165 - —
high flash, 140°, group 3, refinery, tanks gal. .134 - .1425
high-solvency, 200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery-or East Coast gal. .25½- —
25-26° C., m.a.p., tanks, same basis gal. .24 - .30½
270-370 b.r., 78-81° C., m.a.p., tanks, same basis gal. .29 - —
49° C., m.a.p., tanks, same basis gal. .32 - —
26-27° C., m.a.p., tanks, same basis gal. .24 - .33
300-400 b.r., 26°-32° C., m.a.p., tanks, same basis gal. .24 - .30½
340-410 b.r., 36° C., m.a.p., tanks, same basis gal. .24 - —
32° C., m.a.p., tanks, same basis gal. .24 - .30½
27° C., m.a.p., tanks, same basis gal. .24½- —
350-425 b.r., 32° C., m.a.p., tanks, same basis gal. .30¼- .31½
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles. gal. .152 - —
Portland, Ore. gal. .158 - —
San Francisco gal. .157 - —
Seattle, Wash. gal. .158 - —
East coast, N. J., N. Y., tanks gal. .17 - —
Group 3, tanks gal. .11875- —

Petroleum naphtha, V.M.&P., tankwagon, Boston gal. .195 - —
Newark gal. .185 - —
New York gal. .185 - —
Philadelphia gal. .180 - —
Pittsburgh gal. .20 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .157 - —
East coast, N. J., N. Y gal. .17 - —
Group 3, tanks gal. .11875- —
Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 - .197
East coast, N. J., N. Y., tanks gal. .16 - —
Group 3, tanks gal. .11375- —
Pennsylvania, western, tanks gal. .17 - —
tankwagon, Boston gal. .18 - —
Newark gal. .17 - —
New York gal. .17 - —
Philadelphia gal. .165 - .17
Pittsburgh gal. .19 - —
Syracuse gal. .21 - —
Sulphonate, 70% sulphonic content, non-ret. dms., c.l., works lb. .2040- —
l.c.l., works lb. .2065- —
tanks, works lb. .1850- —
60-62% sulphonic content, non-ret. dms., works lb. .18 - .20
l.c.l., works lb. .19 - .20¼
tanks, works lb. .155 - —
50-55% sulphonic content, non-ret. dms., works lb. .16 - —
l.c.l., works lb. .17 - —
tanks, works lb. .135 - —
Phenobarbital, USP, dms., 100 lbs lb. 4.50 - 4.70
Phenobarbital-sodium, USP, dms lb. 4.50 - 4.70

THERE'S A TOUCH OF **TENNESSEE** IN **ILLINOIS FARM MACHINERY**



In the cotton fields of the South, in the corn fields of the Middle West, in the wheat fields of the Great Plains and the Great Northwest, in agricultural operations the world over, Farm Machinery from Illinois is used.

TENNESSEE supplies ferro alloys and pig iron for the steel and castings that build these machines, solvents for the paints and lacquers that protect them as well as many other chemical and metallurgical materials that help make Illinois Farm Machinery.

Manufacturers across the nation shipping their finished products around the world look to TENNESSEE for many items essential to their production. That's why TENNESSEE is known from Coast to Coast as an industry serving all industry.

TENNESSEE
PRODUCTS & CHEMICAL
Corporation
NASHVILLE, TENNESSEE

Producers of: FUELS • METALLURGICAL PRODUCTS • TENSULATE BUILDING PRODUCTS • AROMATIC CHEMICALS WOOD CHEMICALS • AGRICULTURAL CHEMICALS

Phenol—Potassium Permanganate

Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. E. of Rockies. lb. .19 - .20½
l.c.l., same basis ..... lb. .19¾ - .21½
tanks, same basis ..... lb. .17¼ - .18¾
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .19 - 20½
l.c.l., same basis ..... lb. .19¾ - .21½
tanks, same basis ..... lb. .17¼ - .18¾
95° or above, tar distilled, dms., c.l., same basis lb. .17¼ - .19¼
l.c.l., same basis ..... lb. .19½ - .20
tanks, same basis ..... lb. .20¼ - .21¾
USP, synthetic, dms., c.l., same basis lb. .21 - .21¼
l.c.l., same basis ..... lb. .21¾ - .22
tanks, same basis ..... lb. .19¼ - .19½
Phenolphthalein, USP, or yellow bbls., dms., 2,000-lb. lots. lb. 1.10 - —
smaller lots ..... lb. 1.12 - 1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted lb. .50 - —
over 2,100 lbs., same basis lb. .52 - —
less than 2,100 lbs., same basis, lb. .54 - —
Phenyl acetate, dms., 100 lb. lots, works lb. .50 - —
Salicylate (see Salol)
Phenylacetaldehyde solution, 50%, bots lb. 2.40 - 2.70
100%, bots ..... lb. 4.00 - 4.65
Phenylacetamide 125-lb. dms., works, lb. 1.10 - —
smaller dms., works ..... lb. 1.15 - 1.10
Phenylalamine dextro-laevo, dms., works lb. 27.00 - 37.50
Phenylcarbethoxy pyrazolone, 250-lb. fib dms., dlvd. E lb. 3.60 - —
less than 250-lb. dms., dlvd. E lb. 4.00 - —
Phenyldiethanolamine, dms., c.l., frt. alld lb. .40 - —
l.c.l., frt. alld ..... lb. .36 - .41
Phenylethanolamine, dms., c.l., works lb. .69½ - —
l.c.l., same basis ..... lb. .70 - —
Phenylethyl acetate, dms. ..... lb. 1.45 - 1.90
Phenylethylphenyl acetate, bots. lb. 4.05 - 4.50
Phenylhydrazin base, CP, bots lb. 3.00 - 3.07
Hydrochloride, commercial, kgs., works lb. 1.75 - —
CP, bots., works ..... lb. 5.12 - —
Phenylmethylpyrazolone, (see Methylphenylpyrazolone).
Phloroglucinol, coml., fib. dms., works lb. 6.40 - —
C.P., bots. fib. dms ..... lb. 16.00 - 17.75
tech., fib., dms. works ..... lb. 10.45 - —
Phosgene, 150-lb. cyls., works ... lb. .27½ - —
Phosphate defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports ton. 40.00 - —
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried ungrounded, bulk, c.l., mines, 70%-68%, b.p.l., c.l., same basis long ton. 4.35 - 4.40
72%-70%, b.p.l., c.l., same basis long ton. 5.00 - —
75%-74% b.p.l., c.l., same basis long ton. 6.00 - —
77%-78%, b.p.l., c.l., same basis long ton. 7.00 - —
Phosphate rock, Fla., finely ground, 65%, b.p.l., basis 30% P_2O_5 minimum, bulk, c.l., mines, short ton. 4.92 - —
68% b.p.l., basis 31% P_2O_5 minimum mines, short ton. 5.28 - —
70% b.p.l., basis 32% P_2O_5 minimum, mines short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble 80c. per long ton higher.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5, c.l., mines, long ton. 6.45 - —
30-29% P_2O_5 c.l., mines long ton. 7.21 - —
Phosphorus, red, amorphous cs., lb. .46 - .47
dms. ..... lb. .44 - .45
yellow, cns. ..... lb. .30 - .37
dms., c.l. ..... lb. .26 - —
Oxychloride, dms., c.l., works lb. .13 - .14
l.c.l., dms., works ..... lb. .15 - .18
tankcars, works ..... 100 lbs. .11½ - —
Pentasulphide, solid, dms., c.l., works lb. .11½ - —
l.c.l., dms., works ..... lb. .13 - .13½
Pentoxide, dms., c.l., works lb. .12 - —
l.c.l., works ..... lb. .13 - .14
Phosphorus sesquisulphide, tins, cs., works lb. .28 - .29
dms., export ..... lb. .33½ - .36
Trichloride, dms., c.l., works lb. .13 - .14
l.c.l., works ..... lb. .15 - .18
tankcars, works ..... 100 lbs. .11½ - —
Phthalic anhydride, bgs., c.l., works, frt. equald ..... lb. .22 - —
l.c.l., same basis ..... lb. .23 - —
tanks, same basis ..... lb. .21½ - —
Bbls., ½c., per pound higher.
Phthalimide bbls. works ..... lb. 1.10 - 1.37
Phthalylsulphacetamide, fiber dms., lb. 5.00 - 5.50
Pichi leaves, bgs. ..... lb. .16 - .17
Picoline (See Alpha, Beta and Gamma Picoline).
Pilocarpine hydrochloride, NF, bots. oz. 5.25 - 6.22
Nitrate, USP, bots., vials ..... oz. 5.10 - 6.20
Pimento, Guatemala, bgs. ..... lb. .20 - .20½
Jamaica, bgs. ..... lb. .28 - .28½
Mexican, bgs ..... lb. .16 - .16½
Pinetar, retort, dms., incl. c.l., works lb. .0511 - —
l.c.l., same basis ..... lb. .0568 - —
whse. ..... lb. .0678 - —
Pinkroot, bls. ..... lb. 2.50 - 2.55
Piperazine hexahydrate, bots., French Codex kilo. 8.00 - 8.50
Piperidine, 95%, dms., frt. equald, lb. 1.65 - 1.93
98% dms., same basis lb. 1.75 - 2.60
Piperonyl butoxide, dms., dlvd. E lb. 5.00 - 5.30
Cyclonene, dms., dlvd. E ..... lb. 4.20 - 4.50
Pipsissawa herb (see Prince's pine).
Pitch, burgundy, domestic, dms., mc., c.l., l.c.l., works 100 lbs. 9.80 - 10.25
Coaltar, 140°-150° F., m.p., bbls., c.l., works ton. 38.00 - 39.00
l.c.l., works ..... ton. 41.00 - —
Cottonseed, dms., works. lb. .07½ - .08
Pitch, hardwood, paper bgs., c.l., works lb. .02 - —
Linseed, dms. ..... lb. .06½ - .07
Petroleum (see Asphalt, petroleum).
Pine, dms., inc., l.c.l., works, South 100 lbs. 7.50 - —
Soybean, dms., works ..... lb. .05½ - .06
Tall, dms., works ..... lb. .05½ - .06
Plaster of Paris (see Gypsum).
Platinum metal, works ..... oz. 90.00 - 93.00
Pleurisy root, bls. ..... lb. .45 - .50
Podophyllum resin, NF, dms. ..... lb. 13.20 - 14.00
Pokeroot, bls. ..... lb. .22 - .23
Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000 lbs., works lb. .45 - —
smaller lots, works ... lb. .48 - .50
Tristearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000 lbs., works lb. .45 - —
smaller lots, works ... lb. .48 - .50
Polystyrene, colors, special, bgs., over 20,000 lbs., frt. alld. lb. .35½ - .36
10,000-19,999 lbs., same basis lb. .36 - .36½
5,000-9,999 lbs., same basis, lb. .36½ - —
standard, bgs ..... lb. .35½ - .36
crystals, heat-resistant, bgs., c.l., l.c.l lb. .34 - .34½
standard, bgs., c.l., l.c.l ..... lb. .32½ - .33
Polystyrene in non-returnable fiber dms., ½c. per lb. higher.
Pomegranate root, bark, bgs. ... lb. .60 - .65
Poppy flowers, bgs ..... lb. 1.20 - 1.25
seed, Argentine, bgs ..... lb. .13 Nom.
Czech, bgs. ..... lb. .15½ - —
Dutch, bgs. ..... lb. .16½ - .17
Polish, bgs. ..... lb. .15½ - —
Turkish, bgs. ..... lb. .13½ - —
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 10.00 - —
l.c.l., works ..... 100 lbs. 10.75 - —
liquid, 45%, dms., c.l., works, 100 lbs. 4.625 - —
l.c.l., works ..... 100 lbs. 5.125 - —
tanks, works ..... 100 lbs. 4.50 - —
solid, 90%, dms., c.l., works, 100 lbs. 9.40 - —
l.c.l., works ... 100 lbs. 10.15 - —
regular, flake, 88-92%, dms., c.l., works 100 lbs. 8.50 - —
l.c.l., works ... 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis 100 lbs. 3.55 - —
solid, 88-92%, dms., c.l., works 100 lbs. 7.90 - —
l.c.l., same basis, works 100 lbs. 8.65 - —
Potassium abietate, dms., works lb. .25 - .28
Acetate, NF, dms ..... lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .22 - —
powd., dms. ..... lb. .24 - —
Bichromate, bgs., c.l., works lb. .14½ - —
l.c.l., same basis ..... lb. .14¾ - 15¼
Potassium bichromate in drums ½c. higher.
Bitartrate (see Cream of tartar).
Bromate, bbls., 1,000 lbs. or more, lb. .50 - .52
25-200-lb. lots ..... lb. .55 - .57
Bromide, USP, gran., bbls., kgs. lb. .34 - —
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., works ..... 100 lbs. 7.50 - —
USP, gran., bbls., dms ..... lb. .16½ - .18
powd., bbls., dms ..... lb. .21 - .23
Chlorate, cryst., dms., c.l., works lb. .09¾ - —
l.c.l., works ..... lb. .10 - .11
powd., dms. c.l., works ..... lb. .10¼ - —
l.c.l., works ..... lb .10¾ - .11¼
export, dms., 1 to 10 tons, works lb. .13 - .13¾
NF, gran., dms ..... lb. .32 - .33
Chloride, USP, cryst., dms ..... lb. .21 - .23
gran., dms ..... lb. .15 - .17
powd., dms ..... lb. .24 - .26
Chromate, tech., bgs ..... lb. .32 - .36
Citrate, USP, gran., dms ..... lb. .37½ - .38¼
powder dms ..... lb. .40½ - .41¼
Cyanide, dms, over 500 lbs., works, lb. .55 - —
under 500 lbs., works .... lb. .57 - —
Fluoborate, fib. dms., c.l., works. lb. .26 - —
l.c.l., works ..... lb. .27 - —
Fluoride, dms., works. ..... lb. .24 - —
Gluconate, dms ..... lb. .75 - .79
Glycerophosphate, 75% solution, cbys. lb. 2.15 - 2.25
Guaiacolsulphonate, NF, dms lb. 2.10 - 2.30
Hydroxide, tech (see Potash caustic).
USP, pellets 100 lb. dms. 1 to 100 dms. lb. .28½ - .33
Hypophosphite, NF, ton lots or less, fib. dms lb. 1.00 - 1.03
Iodide, dms ..... lb. 2.15 - 2.20
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite gran., dms .... lb. .20 - .21
powd., dms. ..... lb. .25 - —
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M. unit-ton. .42 - .44¼
Trona, Cal. ..... unit-ton. .53 - —
50-51% K_2O, paper bgs., Carlsbad, N. M ton. 25.75 - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
purified, dms ..... lb. .42 - .44
Pentoborate, gran., bgs., c.l., works ton. 184.00 - —
ton lots, bbls., ex whse ton. 261.00 - —
less ton lots, bbls., ex whse. ton. 266.00 - —
Powdered Potassium pentoborate, $10.25 per ton higher.
Perchlorate, dms., c.l., works lb. .14 - —
l.c.l., works ..... lb. .14½ - .15¼
Permanganate, tech., dms., works, lb. .22½ - .23½
USP dms., works ..... lb. .24¾ - .30¼

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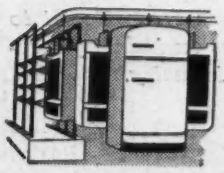
Victor Sodium phosphates for soap and synthetic detergents, water softening, conditioning clays, manufacturing foods.


Victor Phosphoric Acid for metal cleaning. Effective rust preventive; provides better adhesion between paint and metal.

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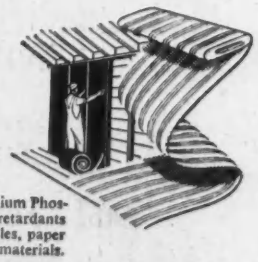
Victor Calcium Phosphates for mineral enrichment, leavening agents and conditioners.


Victor Ammonium Phosphates . . . fire retardants for wood, textiles, paper and insulating materials.

Chicago Heights, Illinois
Mt. Pleasant, Tennessee
Victor, Florida
Nashville, Tennessee
Morrisville, Pennsylvania
Silver Bow, Montana
A. R. Maas Division South Gate, California

Potassium persulphate, dms., c.l., works lb. .18 - .19
l.c.l., works lb. .20 - .22
Phosphate, tetrabasic, bbls., works, lb. .16½ - .18⅛
Prussiate, red, kgs lb. .60 - .63
yellow, dms., ton lots lb. .22½ - —
smaller quantities lb. .23 - —
kegs lb. .28 - —
Silicate, glass, bgs., c.l., works 100 lbs. 14.70 - —
l.c.l. 100 lbs. 15.20 - —
solution, 20° Be., ret. dms., c.l., works 100 lbs. 4.50 4.55
l.c.l., 5 dms. or more, works 100 lbs. 5.25 6.30
30° Be. ret. dms., c.l., works, 100 lbs. 4.70 - —
l.c.l., works 100 lbs. 5.20 - —
32.5° Be., ret. dms., c.l., works, 100 lbs. 4.85 - —
l.c.l., works 100 lbs. 5.35 - —
40° Be., ret dms., c.l., works 100 lbs. 5.35 - —
l.c.l., works 100 lbs. 5.85 - —
40.5° Be. ret. dms., c.l., works, 100 lbs. 6.00 6.75
l.c.l., 5 dms. or more, works 100 lbs. 6.75 7.50
1-4 dms., works 100 lbs. 7.25 7.90
Silicofluoride bbls., works lb. .09½ 10
Stannate, dms., frt. alld. E. lb. .740 - .796
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90%... ton. 36.25 - —
NF VII, cryst., dms. lb. .31 .33
gran., dms. lb. .18½ - —
powder, dms. lb. .19 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate)
Thiocyanate, NF, cryst., dms. lb. .82 1.08
tech., works lb. .77 79
Titanate, ctns., c.l., works lb. .12½ - —
5-ton lots, works lb. .12¾ - —
1-ton lot or less, works lb. .13 - —
Potassium-magnesium sulphate bulk, works basis 40% K_2SO_4, 18% MgO ton. 16.00 - —
Potassium-sodium tartrate (see Rochelle salt)
Potassium-titanium fluoride, fib. dms., works lb. .35 - .38
Potassium-titanium oxalate, bbls., cs., lb. .85 - .95
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .52½ - .55
Pregnenolone, bots gm. 1.50 - —
Acetate bots gm. 1.25 - —
Prickly ash bark, bls lb. .55 Nom.
Berries, bgs. lb. .70 - .75
Prince's pine herb, bls lb. .60 - .61
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works lb. 3.40 - 3.75
spot lb. 3.40 - 3.75
Progesterone, USP, 100 gms., bots... gm. 1.75 - —
Propane, commercial grade, tanks, group 3 gal. .04 - —
Propionaldehyde, dms., 5,000 lbs. or more, custom contract lb. .60 - —
Propyl acetate, normal, dms., c.l., dlvd lb. .125 - —
l.c.l., dlvd lb. .135 - —
tanks, dlvd lb. .1075 - —
Aldehyde (see Propionaldehyde).
Gallate, dms., 2,000 to 100 lb. lots, works lb. 3.90 - 4.40
Parahydroxybenzoate, USP, dms lb. 2.20 - 2.40
Propylene dichloride, dms., c.l., dlvd. E. lb. .0845 - .095
l.c.l., same basis lb. .0950 - .1050
tanks, same basis lb. .07 - .08
Oxide, dms., c.l., dlvd. E lb. .19½ - .20½
l.c.l., dlvd E lb. .20½ - .21½
tanks, dlvd. E lb. .17½ - .18½
Propyleneglycol, industrial, dms., c.l., dlvd. E lb. .19¼ - .21¼
l.c.l., same basis lb. .20¼ - .22¼
tanks, same basis lb. .17½ - .18½
USP, dms., c.l., dlvd. E lb. .20¼ - .21½
l.c.l., same basis lb. .21¼ - .22¼
tanks, same basis lb. .18½ - .19½
Methylether, dms., c.l., frt. equald lb. .21 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .19½ - —
Propylthiouracil, bots., 50-kilo lots or more kilo. 55.00 - —
smaller lots kilo. 55.10 - 55.30
Psyllium seed, black, bgs lb. .27 - .30
blonde, bgs. lb. .19 - .20
husks, bgs. lb. .52 - .53
Pulsatilla herb, bls lb. .52 - .53
Pumice, com. grd., coarse to fine, 0, 1, 1½ 2, 3 bgs., ton lots. lb. .03⅝ - .04¼
smaller, lots lb. .03⅞ - .04⅛
Italian, silk-screen, coarse, bags, ton lots lb. .06½ - —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs. ton lots lb. .02½ - .04
fine, bgs., ton lots lb. .02½ - .04
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs lb. .18 - .20
Pyrethrin, synthetic (see Allethrin).
Pyrethrum flowers, fine-grd., 0.9% pyrethrins bbls. works, lb. .50 - —
powder, 1.3% pyrethrins, bbls., works lb. .71½ - —
liquid (20 to 1) basis 2 grams pyrethrins per 100 cc. odorless basis, bbls., works gal. 9.75 - 10.50
(30 to 1) basis 3 grams pyrethrins per 100 cc. odorless base, bbls., works gal. 15.75 - —
oleoresin dewaxed, 20%, for aerosol bombs, dms., works lb. 11.00 - 12.00
Pyridin, denaturing, dms., c.l., works and frt. equald gal. 2.67 - —
l.c.l., same basis gal. 2.70 - —
refd., 2°, non-ret. dms., c.l., same basis lb. 89½ - 1.04⅛
l.c.l., same basis lb. .90 - 1.05
Pyridoxine hydrochloride, 100-gram, bots gram .55 - —
Pyrites long-ton. No prices.
Pyrocatechol (see Catechol).
Pyrogallol, NF lb. 3.25 - 3.43
Pyrophyllite, insecticide grade, 200 mesh, bgs., c.l., mines ton. 13.00 - 13.50
No. 3, 200 mesh, bulk, c.l., mines. ton. 11.00 - —
rubber grade, 140 mesh, bgs., c.l., mines ton. 11.50 - 12.00
standard, 200 mesh, bulk, c.l., mines ton. 12.50 - —
230 mesh, bulk, c.l., mines. ton 13.50 - —
325 mesh, bulk, c.l., mines. ton. 16.75 - —
Standard and No. 3 pyrophyllite in paper bgs. $3 to $5.50 per ton extra.
Pyroxylin, USP, bots lb. 9.50 - —
Scrap, opaque, amber, cs., works, lb. .15 - —
black, cs., works lb. .12 - —
mixed, mottled, cs., works lb. .11 - —
white, china, ivory, cs., works, lb. .12 - —
dense, cs., works lb. .12 - —
translucent, pastels, cs., works, lb. .14 - —
transparent, colorless, cs., works lb. .25 - —
colors, cs., works lb. .14 - —
shavings, opaque, amber, cs., works lb. .12 - —
mixed, colors, cs., works lb. .13 - —

Q

Quassia, chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb. .16½ - .16¾
liquid, 35% tanmn, bbls., works, tanks, same basis lb. .08¼ - —
solid, clarif., 64% tannin, bgs., c.l., exdock, duty extra lb. .12⅞ - —
ordinary, 63% tannin, bgs., c.l., same basis lb. .11 31/64 —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .25 - .26
Quercitron extract, crystals, No. 1, bbls., l.c.l. lb. .40 - —
liquid, No. 1, bbls., l.c.l. lb. .19 - —
Quicksilver, flasks (76 lbs. net) flask. 188.00 - 191.00
Quince seed, bgs lb. .80 - 1.50
Quinidine, NF, V cryst., cns., 100-oz. lots oz. 1.90 - —
powd., precip., cns., 100-oz. lots oz. 1.85 - —
Sulphate, USP, cns., 100-oz. lots oz. 1.25 - —
Quinine, NF, cns., 100-oz. lots oz. .70 - —
Bisulphate, USP cns. 100-oz. lots oz. .51 - —
Dihydrochloride, USP, cns oz. .70 - .72
Ethylcarbonate, NF, cns., 100-oz. lots oz. .73 - —
Hydrobromide, NF, cns. 50-oz. cns. oz. .63 - —
Hydrochloride, USP, cns., 100-oz. lots oz. .63 - —
Phosphate, NF cns., 100-oz. lots oz. .76 - —
Salicylate, NF cns., 100-oz. lots oz. .66 - —
Sulphate, USP, cns., 100-oz. lots oz. .56½ - —
Quinine and Urea hydrochloride, NF, cans oz. .63 - —
Quinolin, ret. dms., c.l., frt. equald. lb. .60¾ - —
l.c.l., same basis lb. .61¼ - —
tanks, same basis lb. .60 - —

R

R salt, paste dry basis, dms., frt. alld lb. .87 - —
Raspberries, dried, bbls lb. 1.20 - 1.23
Red, BON, arylid, deep shades, bbls. lb. 3.60 - —
light medium shades, bbls. lb. 2.75 - —
maroons, pure, bbls lb. 1.75 - —
resinated, bbls lb. 1.50 - —
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 4.30 - —
light shade, same basis lb. 4.00 - —
medium shade, bbls., same basis lb. 4.25 - —
medium-light shade, bbls, same basis lb. 4.05 - —
orange shade, bbls., same basis lb. NP - —
lithopone, deep shade, bbls., same basis lb. 1.76 - —
light shade, bbls., same basis, lb. 1.61 - —
maroon shade, bbls., same basis lb. 1.85 - —
medium shade, bbls., same basis lb. 1.71 - —
medium-light shade, bbls., same basis lb. 1.66 - —

Potassium Persulphate—Red, Metallic

Red, cadmium, lithopone, orange-red shade, bbls., same basis lb. 1.57 - —
Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb higher ex whse. Los Angeles and San Francisco.
Carmine No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes coaltar).
Eosin toner, bbls., works lb. 1.60 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .12½ - —
Iron oxide, pure, 98% ferric oxide, bgs., c.l., works lb. .12¼ - —
l.c.l., works lb. .12½ - —
natural 75%-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa.; E. St. Louis lb. .05¾ - —
Lake C, toner, alizarin, bbls., works lb. 1.10 - 1.20
Lithol, toner, bbls., works lb. .76 - —
rubin, toner, pure oots., works lb. 1.50 - —
resinated, bbls., works lb. 1.40 - —
Virginia-type, bbls., works lb. 1.40 - —
Maroon tone, BON, arylid, dlvd lb. 3.60 - 5.90
Cadmium, deep, bbls., works, lb. 1.20 - —
regular, bbls., works lb. 1.10 - —
MNPT, toner, kgs., works lb. 3.60 - —
Maroons in smaller pkgs. 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs. works lb. 4.22 - —
smaller lots, works lb. 4.24 - —
Metallic, bbls., c.l., works lb. .02½ - —
l.c.l., works lb. .02¾ - —

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Red, Oxide—Sodium Borate

Red, oxide (see Red, iron oxide)
Persian gulf, bgs., c.l., works lb. .06¾- —
l.c.l., works lb. .07 - —
Para toner, bbls lb. .85 - —
Chlorinated, kgs lb. 1.10 - 1.15
Phloxin toner (see Red eosin toner).
Rhodamine, molybdated, PMA., kegs lb. 4.90 - —
tungstated, PTMA, works, kegs, lb. 6.35 - —
Spanish, oxide, bbls., c.l., ex dock lb. .05¾- —
l.c.l., ex dock lb. .06 - —
ex whse., New York lb. .06½- —
Toluidin toner, deep shades, kgs., works lb. 1.40 - —
light shades, kgs., works lb. 1.40 - —
Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- .0375
20%, bgs., works lb. .04 - —
25%, bgs., works lb. .0450- —
30%, bgs, works lb. .0475- —
35%, bgs., works lb. .05 - —
40%, bgs, works lb. .0525- —
Vermilion, Amer., bbls lb. .32 - —
Quicksilver, ctns. lb. 3.54 - —
Watchung-type, bbls. lb. 1.95 - —
Red KB base (see Chloro (4)-2-toluidine).
Red precipitate, NF, powd., fib. dms lb. 4.37 - 4.41
Red saunders, NF, powd., bbls lb. .35 - —
Rennin, NF, powder lb. 6.25 - —
Resorcinol, tech. grade, dms., c.l., works lb. .82½- —
l.c.l., works lb. .83½- —
USP, cryst., dms., works lb. 2.75 - —
powd., dms., works lb. 2.95 - —
Monoacetate, NF, dms. lb. 3.25 - 3.45

Rhatany root, bgs lb. .15 - .16
Rhodinol, 5-lb. cans lb. 40.00 -56.00
Rhubarb root, China, whole, cs. lb. .85 - .86
powd., bbls lb. .95 - .96
India, whole, bgs lb. .35 - .36
powdered, bbls lb. .40 - .44
Riboflavin, USP, bots., dlvd kilo. 125.00 - —
readily soluble, bots., dlvd kilo. 125.00 - —
Rice bran, concentrate, dms., Cedartown, Ga lb. .79 - —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs lb. .37½- —
smaller lots lb. .38 - .43
Rose flowers, pale, bls lb. .45 Nom.
Rosemary flowers, bls lb. .95 - .96
Leaves, French, bls lb. .10 - .10½
Portuguese, bls. lb. .07 - .07½
Spanish, bls lb. .08½- .09
Rosin, gum and wood (see Naval Stores, Protective Coatings market).
Rotenone, CP, bbls., works lb. 20.00 - —
tech., bbls., works lb. 16.50 - —
Rottenstone, bgs., c.l., mines ton. 40.00 - —
l.c.l., mines ton. 48.00 - —
Rue herb, bls lb. .35 - .40
Rutin, 25-kilo lots, fib., dms kilo. 27.50 -40.00
10 to 25-kilo lots, fib. dms. kilo. 28.50 -40.00
1 to 10-kilo lots, fib. dms kilo. 30.00 -40.00
Ryania, 100% powd., bgs., works lb. .20 - —

S

Sabadilla seed, powd., bbls lb. .70 - —
activated, ground with lime, bbls lb. .40 - .45
Saccharin, USP, gran., soluble, dms., 1000-lb. lots lb. 1.60 - —
smaller lots lb. 1.70 - 1.80
powd., soluble, insoluble, dms., 1000-lb. lots lb. 1.65 - —
smaller lots lb. 1.75 - 1.95
Safflower, Egyptian, bls lb. .65 - .70
Saffron, Mexican, bls lb. .95 - .96
Spanish, USP, tins lb. 23.50 -25.00
Safrol, dms lb. .72 - 1.35
Sage, Cretan, bls lb. .10 - .10½
Cyprus, bls lb. .09 - .09½
Dalmatian, bls. lb. .55 - .55½
Greek, bls lb. .10 - .10½
Officinalis, Italian, bls lb. .21 - .23
Spanish, stemless, bls lb. .12½- .13
Syrian, bls. lb. .10 - .10½
Turkish, bls lb. .12 - .12½
Sago flour, raw, bgs lb. .07¼- .07¾
refined, bgs lb. 08¾- .09
Sal soda (see Soda sal).
Salol, NF, gran., bbls., kgs lb. 1.05 - —
fib. dms lb. 1.07 - 1.08
Powdered salol, 25c. higher.
Salt, rock, paper bgs., c.l., works, 100 lbs. .63 - —
l.c.l. 100 lbs. 1.09 - —
Table, vacuum, common, fine, paper bgs. c.l., works 100 lbs. .77 - —
l.c.l., works 100 lbs. 1.12½- —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton. 17.00 - —
Saltpeter, cryst., bbls., 10-ton lots, 100 lbs. 14.40 - —
smaller lots 100 lbs 14.65 -14.90
powd., bbls., 20-ton lots 100 lbs. 10.75 - —
smaller lots 100 lbs. 12.00 -12.50
gran., bbls., 20-ton lots 100 lbs. 9.75 - —
smaller lots 100 lbs. 11.10 -11.50
NF, gran., dms lb. 09¾- .17¾
Saltpeter in bags, 50c. per 100 lbs. less; in kegs, $1 more.

Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms lb. .75 - .76
Sanguinarine nitrate, bots oz. 4.75 - 5.50
Santonin, NF, dom., dms., cryst., powd., cns. kilo. 260.00 -277.00
imported, cryst., powd., cns. kilo. 275.00 - —
Saponin, No. 1, 100-lb. dm lb. 2.75 - —
Sarsaparilla root, dom., bls lb. .45 - .50
Honduras, bls lb. .38 - .40
Mexican, bls lb. .22 - .25
Sassafras bark, ord., bls lb. .44 - .45
select, bls lb. .55 - .56
Savory, French, bls lb. .15½- .16
Spanish, bls lb. .08½- .09¼
Saw palmetto berries, bgs lb. .32 - .38
Scammony resin, lump, cns lb. 1.95 - 2.20
powd., cns lb. 2.05 - 2.30
Root, bgs lb. .10 - .14
Schaeffers salt, paste, dms., frt. alld. lb. .77 - —
powder, bgs., frt. alld lb. .80 - —
Scopolamine hydrobromide, bots. oz. 17.60 -18.30
Hydrochloride, USP, bots oz. 84.00 - —
Seidlitz mixture, bbls., 5,000 lbs lb. .30½- —
smaller lots lb. .31 - .32
Selenium, powd., dms., dlvd lb. 3.25 - —
Senega root, bls lb. 1.90 - 2.00
Senna leaf, Alex., half-leaf, bls lb. .22 - .23
sifting, bgs. lb. .18 - .19
Tinnevelly, No. 1, bls lb. .20 - .21
No. 2, bls lb. .18 - .19
No. 3, bls lb. .14 - .15
powdered, bls., bxs lb. .17 - .18
Pods, bls. lb. .35 - —
Serpentaria root, bls lb. 4.50 - —
Sesame seed, Nicaragua, hulled, bgs. lb. .21½- .23
natural, bgs. lb. .13½- .14
Turkish, bgs lb. .15 - .15¼
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .46 - —
bbls., 1,500-lb. lots lb. .47 - —
kgs., 1,500-lb. lots lb. .49 - —
refined, bgs., 1,500-lb. lots lb. .56 - —
bbls., 1,500-lb. lots lb. .57 - —
kgs., 1,500-lb. lots lb. .59 - —
Bonedry shellac prices for less than 1,500-lb. lots, 1c. per lb. higher for all packages.
Lemon, No. 1, bgs lb. .33 - .36
No. 2, bgs lb. .30 - .32
Superfine, bgs., 10-bg. lots lb. .29 - .30
TN, bgs., 10-bg. lots lb. .27 - —
Shellac in 1 to 9 bgs., 1c. more.
Shingle stain oil (see Oil, shingle stain).
Silica, amorphous, dry-grd., 325 mesh, bgs., c.l., lil., works ton. 25.00 - —
l.c.l., works ton. 30.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 20.00 - —
l.c.l., works ton. 25.00 -30.00
140 mesh, bgs., c.l., works ton. 15.00 - —
l.c.l., works ton. 20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .16 - —
l.c.l., works lb. .20 - .28½
Silver bullion, ingots, cs oz. .83¼- —
Cyanide, fib. dms., 2,500-oz. lots oz. .75½- —
1,000-oz. lots oz. .76½- —
500-oz. lots oz. .76½- —
100-oz. lots oz. .76¾- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .53¾- —
1,000-oz. lots oz. .54¼- —
500-oz. lots oz. .55¼- —
250-oz. lots oz. .55⅞- —
USP granular silver nitrate, 4c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots., dms., 1,000-oz. lots oz. 1.00 - —
Simaruba bark, bls lb. .90 Nom.
Skullcap herb, Eastern, bls lb. .50 - .65
Western, bls lb. .30 - .35
Skunk cabbage root, bls lb. .60 - —
Slate flour, bgs., c.l., works ton. 7.55 -13.00
l.c.l., ex whse ton. 19.85 -27.35
Sloe berries, bgs lb. .24 - .28
Smalt, black, ctns lb. .15 - —
Blue, ctns lb. .18 - —
Snakeroot, Canada, bls lb. .75 - .80
Soapbark, bls. lb. .28 - .30
crushed, bls., bbls lb. .33 - .34
powd., bbls lb. .35 - .37
Soda ash, dense, 58% paper bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., stock points 100 lbs. 2.85 - 4.63
bbls., c.l., works 100 lbs. 2.15 - —
l.c.l., stock points 100 lbs. 3.35 - 4.12
bulk, c.l., works 100 lbs. 1.30 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.50 - —
l.c.l., stock points 100 lbs. 2.75 - 4.52
bbls., c.l., works 100 lbs. 2.05 - —
l.c.l., stock points 100 lbs. 3.25 - 5.02
bulk, c.l., works 100 lbs. 1.20 - —
Soda caustic, flake, powd., 76%, c.l., works 100 lbs. 3.75 - —
l.c.l. stock points 100 lbs. 4.95 - 6.77
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.55 - —
50%, rayon-type, tanks, works, dry basis 100 lbs. 2.65 - —
70% sellers' tanks, works, dry basis 100 lbs. 2.65 - —
rayon type, tanks, works, dry basis 100 lbs. 2.75 - —
solid, 76%, dms., c.l., works 100 lbs. 3.35 - —
l.c.l., stock points 100 lbs. 4.55 - 5.05
Sal, bgs., c.l., works 100 lbs. 1.40 - —
l.c.l., works 100 lbs. 1.70 - —
Soda-lime, USP, dms lb. .23 - .25
Sodium acetate, anhyd., bgs., c.l., works lb. .12 - —
l.c.l., dms lb. .12¾- —
NF, 60%, dms., works lb. .08½- —
Alginate, refined, water-soluble, bbls., works lb. .83 - —
semi-refined, bbls., works lb. .54 - —
NF, white, powd., dms., ton lots, works lb. 1.40 - —
smaller lots lb. 1.55 - 1.65
Antimoniate, bbls., c.l., dlvd. E. lb. .30 - —
l.c.l., dlvd. lb. .31½- —
Arsenate, dms., c.l., works lb. .12½- —
l.c.l., dms., works lb. .13¾- .14¼
Arsenite, dms., c.l., works lb. .13½- —
l.c.l., dms., works lb. .14¼- .15¼
solution, dms., works gal. .70 - 1.10
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .37½- .39
USP, bbls., dms., 100 lbs. or more lb. .44½- .46
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.50 - —
l.c.l., works 100 lbs. 3.15 - —
powd., bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.75 - —
Bichromate, bgs., c.l., works lb. .11 - —
l.c.l., same basis lb. .11¼- .12
Bifluoride, bbls., c.l., works, frt. equald lb. .1375- —
l.c.l., same basis lb. .1415- —
Bisulphate, bulk, c.l., works. 100 lbs. 2.00 - —
dms., c.l., works 100 lbs. 2.65 - 3.85
l.c.l., works 100 lbs. 3.05 - 3.65
Bisulphite, anhyd., bgs.,c.l., works. 100 lbs. 4.05 - —
l.c.l., works 100 lbs. 4.30 - —
solut. 35°, bbls., c.l., works. 100 lbs. 1.40 - —
l.c.l., works 100 lbs. 1.80 - —
Borate (see Borax).

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Tacoma 1, Wash.—Main 9101

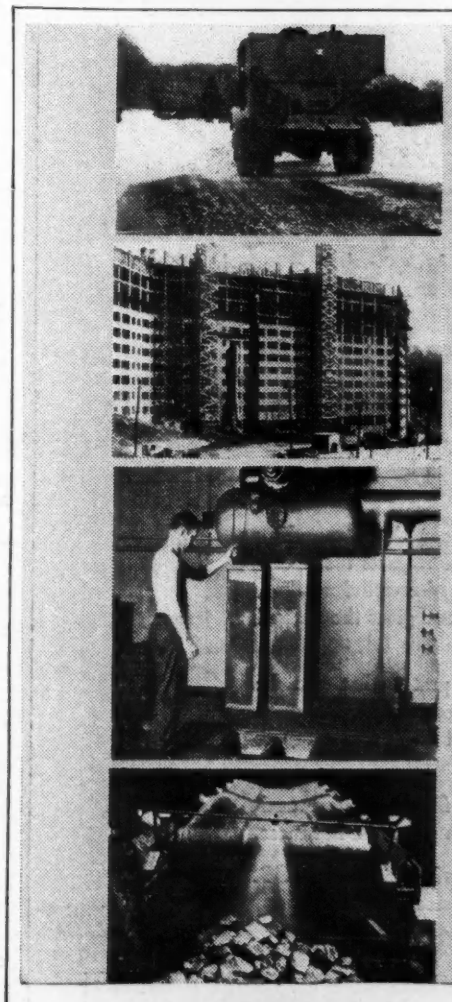
Sodium bromide, USP, bbls., kgs., works lb. .34 - .35
Cacodylate, NF, jars, dms lb. 8.52 - —
Carbonate, anhydrous (see Soda ash).
crystalline, decahydrated (see Soda sal).
monohydrated, bgs., c.l., works 100 lbs. 2.65 - —
l.c.l., works 100 lbs. 3.05 - —
Chlorate, cryst., dms., c.l., works. lb. .08¼ - —
l.c.l., works lb. .08¾ - .09¼
Chloride, tech (see Salt).
USP, dms. lb. .05 - .12
Chlorite, tech., dms., works lb. .58 - .73
Chloroacetate, tech., dms., c.l., works lb. .24 - —
l.c.l., works lb. .25 - .26
Chromate, dms., c.l., works lb. .12¾ - —
l.c.l. same basis lb. .13 - .13¾
Citrate, anhyd., dms. lb. .60 - .65
USP VIII, gran., dms lb. .22½ - .29½
USP XIV, gran., dms lb. .28 - .32
Sodium citrate USP powd. prices ½c. higher.
Cyanate dms., 1,000-lb. lots., works lb. .85 - 1.10
smaller lots, works lb. 1.00 - 1.25
Cyanide, flake, 96-98% dms., c.l., or 20,000-lb. lots lb. .168 - —
over 1,000 lbs lb. .178 - —
100-lb. to 1,000-lb. lots lb. .188 - —
Granular sodium cyanide 1c. higher.
Diacetate 33-35% acidity, 250-lb. dms., works lb. .14 - —
l.c.l., dms lb. .14¾ - —
anhydrous, dms., c.l., works lb. .17 - —
l.c.l. lb. .17¾ - —
Fluoride, white, 90%, bbls., c.l., works lb. .11 - —
l.c.l., works lb. .1140- —
95%, bbls., c.l., works lb. .1125- —
l.c.l., works lb. .1165- —
Fluoroacetate, monobasic, 8-oz. tins, 50 to a case, works lb.12.00 - —
2 to 25 tins to a case, works lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb.16.50 -21.00
Formate, bgs., c.l., dlvd 100 lbs. 7.10 - —
l.c.l. 100 lbs. 8.15 - 8.45
Gentisate, 100-lb. fib. dms lb. 8.50 - —
Gluconate, dms lb. .83 - .85
Glutamate, monobasic, dms., c.l lb. 1.67 - 1.69
smaller lots, dlvd lb. 1.66 - —
Glycerophosphate, NF, cryst., bbls. lb. 1.80 - 1.95
powder, bbls lb. 1.85 - 2.00
solution, 75%, cbys lb. 1.06 - 1.21
Hydride, dms., works lb. 2.40 - 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .24½ - —
l.c.l., frt. alld lb. .25 - —
Hydroxide, tech. (see Soda caustic).
NF, pellets, 100-lb. dms., 1 to 100 dms lb. .18½ - .23
Hypophosphite, NF, dms, ton lots or less lb. .95 - .98
Hyposulphite, photo grade, bgs., c.l., works 100 lbs. 4.00 - 4.25
l.c.l., same basis 100 lbs. 4.65 - 7.15
pea crystals, bgs 100 lbs. 4.50 - —
gran., bgs., c.l., works 100 lbs. 5.00 - —
tech., bgs., c.l., works 100 lbs. 4.00 - —
l.c.l., works 100 lbs. 4.40 - 6.90
Sodium, hyposulphite crystals in bbls. 50c. higher.
NF (see Sodium thiosulphate).
Iodide, USP, bots., dms lb. 2.69 - —
Lactate, edible, 50%, dms., cbys., works lb. .21½ - —
60% dms, cbys., works lb. .26½ - —
tech., 50%, dms., cbys., works, lb. .16½ - —
Laurylsulphate, dms., c.l., dlvd lb. .27 - —
l.c.l., dlvd lb. .28 - —
tanks, dlvd lb. .25 - —
Metabisulphite, see sodium bisulphite
Metaborate, octahydrate, gran., bgs., c.l., works ton.78.50 - —
l.c.l., ex whse ton.124.50 -129.50
tetrahydrate, c.l., bbls., works. ton.199.50 - —
Sodium metaborate, octahydrate in bbls., $24.50 per ton higher.
Metal, tanks, works lb. .16 - —
bricks, dms works lb. .17 - .19
Mentanilate, bbls., frt. alld lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works 100 lbs. 4.70 - —
l.c.l., works 100 lbs. 4.95 - 5.20
dms., c.l. 100 lbs. 5.05 - —
l.c.l. 100 lbs. 5.30 - 5.55
Pentahydrate, bgs., c.l., works, frt. equald 100 lbs. 3.80 - —
l.c.l., bgs., works 100 lbs. 4.05 - 4.30
dms., c.l., works 100 lbs. 4.20 - —
l.c.l., works 100 lbs. 4.45 - 4.70
Molybdate, crystals, bbls., works lb. .75 - .85
powd., anhy., dms., works lb. 1.05 - 1.06
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls lb. .70 - —
Nitrate, crude, bgs., c.l., works. ton.51.00 - —
bulk, c.l., works ton.47.50 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse ton.57.00 - —
bulk, c.l., same basis ton.53.50 - —
Nitrite, bbls., c.l., works, frt. equald lb. .07¼ - —
l.c.l., same basis lb. .08¾ - —
USP, gran., dms lb. .17 - —
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 7.60 - —
hydrated, flake, bbls., c.l., works 100 lbs. 4.75 - —
l.c.l., works 100 lbs. 5.50 - —
Oxalate, neut., bgs., works lb. .104 - —
Para-aminobenzoate, dms., 1,000-lb. lots or more lb. 3.00 - —
smaller lots lb. 3.05 - 3.40
Para-aminosalicylate dms., 1,000-lb. lots., frt. adjusted. lb. 4.25 - —
smaller lots, same basis lb. 4.30 - 4.75
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .25½ - —
l.c.l., same basis lb. .26½ - .28¼
pellets, bgs., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .26 - 28
powd., bgs., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .25 - 27
Pentachloropnenate 20,000 lbs. min. truckloads ¼c. per lb. over carlot prices.
Perborate, USP, tech, bbls., c.l., works lb. .193 - —
l.c.l., works lb. .198 - —
Peroxide, dms., c.l., dlvd, E. of Miss. lb. .1860- —
l.c.l., same basis lb. .1910- .2010
Phenolsulphonate, USP IX, gran., dms lb. .44 - .45
powd., dms lb. .47 - .48
Phosphate, diabasic, anhyd., bgs., c.l., works 100 lbs. 7.25 - —
l.c.l., works 100 lbs. 7.65 - —
USP, dried powd., bgs., dms., works lb. .19 - .20¼
duohydrate, bgs., c.l., works. 100 lbs. 6.63 - —
l.c.l., works 100 lbs. 7.05 - —
monobasic, anhyd., bgs., c.l., works 100 lbs. 8.05 - 8.30
l.c.l., works 100 lbs. 8.45 - 8.70
tribasic, cryst., bgs., c.l., works, frt. equald 100 lbs. 4.03 - 5.30
l.c.l., same basis 100 lbs. 4.45 - 8.20
Sodium phosphates in bbls. 40c. higher than bgs.

Sodium prussiate, yellow, bgs., 10-ton lb. .13½ - —
smaller lots lb. .14 - —
Pyrophosphate acid, bgs., c.l., works, frt. equald 100 lbs.10.00 -10.75
ferric, dms., 1,500-lb. lots, works lb. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhy., bgs., c.l., works, frt. equald 100 lbs. 7.50 - —
l.c.l., frt. equald 100 lbs. 7.90 - —
Salicylate, USP, dms lb. .63 - —
Sesquicarbonate, bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., dlvd, zone 1 100 lbs. 3.85 - 4.25
zone 2 100 lbs. 4.11 - 4.51
zone 3 100 lbs. 4.40 - 4.70
zone 4 100 lbs. 5.11 - 5.50
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala. La. and Miss. No. of 31°; (3) Ark. W of 96°, Kan. Neb. W. of 95°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
bbls., c.l., works 100 lbs. 2.45 - —
Sesquisilacate, anhy., dms., c.l., works 100 lbs. 5.50 - —
l.c.l., works 100 lbs. 7.00 - —
Silicate, liquid, 40° turbid., dms., c.l., works 100 lbs. 1.30 - —
l.c.l., works 100 lbs. 1.60 - 1.85
tanks, works ton.19.00 - —

Sodium silicate, liquid, 52°, turbid., dms., c.l., works 100 lbs. 2.20 - —
l.c.l., works 100 lbs. 2.50 - 2.75
tanks, works ton.37.00 - —
solid, bgs., works ton.55.00 - —
Silicofluoride, bgs., c.l., works lb. .070 - —
l.c.l., works lb. .075 - .075
Stannate, dms., works, frt. alld. E lb. .660 - .716
Stearate tech., dms., works lb. .42 - .44
USP, dms., works lb. .70 - .75
Sulphanilate, bbls., works lb. .22 - —
Sulphate, NF, VII, dried, gran., dms lb. .22½ - —
tech., anhyd., bgs., c.l., works, frt. allowance to $10. 100 lbs. 2.25 - —
l.c.l., works, same basis. 100 lbs. 2.50 - 3.00
cryst. (see Glauber's salt).
rayon grd., bgs., c.l., works. ton.27.00 - —
l.c.l., works ton.33.00 - —
USP, cryst., fib. dms lb. .17½ - .18
gran., fib. dms lb. .17½ - .18
Sulphide, flake, bbls., c.l., works, E., frt. equald ton.100.00 - —
l.c.l., same basis ton.108.00 - —
fused, bbls., c.l., works, E. frt. equald ton.88.50 - —
l.c.l., same basis ton.98.50 - —
Sulphite anhyd., bgs., c.l., works. 100 lbs. 2.73 - —
l.c.l., same basis 100 lbs. 3.33 - 5.58
regular, cryst., bgs., c.l., works. 100 lbs. 4.80 - —
l.c.l., same basis 100 lbs. 5.20 - 6.45
powder, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 7.25 - —

Sodium Bromide—Sodium Tungstate

Sodium sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls lb. No prices.
Sulphydrate, flake, 70-72%, dms., works, c.l. ton.115.00 - —
l.c.l., works ton.125.00 - —
liquid 34-40%, 100% basis, tanks, works ton100.00 -117.60
Tetraborate (see Borax).
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03¼ - —
l.c.l., works lb. .03¾ - —
Thiocyanate, CP, dms lb. .55 - .65
tech., dms., works lb. .30 - —
Thiosulphate, NF, cryst., bbls lb. .12½ - —
tech (see Sodium hyposulphite).
Titanate, ctns., c.l., works lb. .10½ - —
5 tons, works lb. .10¾ - —
1 ton or less, works lb. .11 - —
Trichloroacetate 90%, 100-lb. dms., c.l., frt. alld., E lb. .37½ - —
l.c.l., frt. adjusted, E lb. .39¼ - —
50-lb. dms., c.l., frt. alld., E lb. .38 - —
l.c.l., frt. adjusted, E lb. .40 - —
10-lb. cns., c.l., frt. alld., E lb. .44 - —
l.c.l., frt. adjusted, E lb. .46 - —
Prices West of the Rockies are 1¼c. per pound higher.
Tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 7.85 - —
l.c.l., same basis 100 lbs. 8.25 - —
Tristearate, fib. dms., 20,000 lbs. works lb. .33 - —
10,000 to 20,000 lbs., works lb. .35 - —
smaller lots, works lb. .38 - .40
Tungstate, tech., kgs., dlvd, E lb. 3.15 - —



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Potassium Carbonate • Sodium Bicarbonate • Specialty Cleansers • Sodium Nitrite
Ammonium Bicarbonate • Para-dichlorobenzene • Ortho-dichlorobenzene
Monochlorobenzene • Ammonium Chloride

Sodium-Ammonium Phosphate—Testosterone Propionate

Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose. See CMC.
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, c.l., dms., dlvd lb. .25½- —
l.c.l., same basis lb. .26 - —
Sodium sulpha, drugs (see Sulpha name).
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less than 1,000 lbs., same basis lb .30 - —
Solvent naphtha, coaltar, refined, tanks, works gal. .31 - .32
high-flash, tanks, works gal. .31 - .32
petroleum, 100°F., tanks, Baytown, Tex gal. .31 - —
Bayonne gal. .35 - —
150°F., flash, tanks, Baytown, Tex gal. .31 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .32 - —
10,000 to 20,000 lbs., works lb. .34 - —
smaller lots, works lb. .37 - .39
Sorbitol, cryst. pellets, dms., c.l., works lb. .30 - —
ton-lots to 5 tons, works lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .36 - .39
solution, commercial, aqueous, dms., c.l., works lb. .24¼- —
ton lots, works lb. .25 - —
less ton lots, works lb. .25¼- —
tanks, works lb. .23¼- —
regular, 70%, aqueous, dms., c.l., works lb. .16 - —
ton lots, works lb. .16¾- —
less ton lots, works lb. .17 - —
tanks, works lb. .15 - —
Soybean meal, 41% bulk Decatur ton.81.00 - —
protein chemically isolated 40,000 to 60,000 lbs., dlvd lb. .23½- —
20,000 to 40,000 lbs., same basis lb. .23¾- —
100 to 20,000 lbs., same basis lb. .24¼- —
mechanically refined, bgs., 40,000 lbs., same basis lb. .0605- —
20,000 lbs., same basis lb. .0620- —
smaller lots same basis lb. .0635- —
Sparteine sulphate, cns. oz. .85 - 1.25
Spearmint leaves, bls lb. .60 - 65
Spikenard root, bls lb. .45 - .46
Spruce extract liq. reg., tanks, works lb. .01¾- —
powd. super bgs., c.l., works. lb. .05½- —
l.c.l., works lb. .05¾- —
Squaw vine leaves, bls lb. .45 - .46
Squill red fortified powd., bbls. boxes lb. 1.60 - —
white, bls lb. .10 - .14
powd., bbls., bxs lb. .16 - 20
St. John's bread edible, bls lb. .10 - 13
Stannous chloride (see Tin chloride stannous)
Star root (see Helonias root)
Stargrass root (see Aletris root)
Starch, corn, pearl, paper bgs., c.l., N. Y 100 lbs. 7.29 - —
l.c.l. 100 lbs. 7.44 - —
powd., paper bgs., c.l 100 lbs. 7.41 - —
l.c.l. 100 lbs. 7.47 - —
Prices for corn starch in cotton bags 25c. per 100 lbs. higher.
Potato, Idaho, bgs., c.l., works lb. No stocks.
Maine, bgs., c.l., works lb. .10½ Nom.
l.c.l., spot lb. .10¼- .12
Rice, l.c.l., bgs lb. .11 - .12¼
Wheat, bgs lb. .0675- .0710
Stavesacre seed, bgs lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls lb. .30 - .31
Stoneroot, bls lb. .07¼- .08
Storax, USP, cs lb. 1.25 - —
Stramonium leaves, bgs lb. .16 - .18
Streptomycin, either hydrochloride or sulphate, bulk, 50-kilo lots or more gram. .27 - —
unlabeled, 1-gram vials, 1 to 500,000 vials vial. .30 - —
5-gram vials, 1 to 500,000 vials vial. 1.32 - —
Strontium bromide, NF, cns., dms. lb. .77 - .78
Carbonate, 92%, dms lb. .25 - .30
Chloride, tech., bbls lb. .24 - .26
Chromate, bbls., works lb. .46 - —
Iodide jars, 25-lb. lots lb. 3.37 - —
Nitrate, bbls., cs, works lb. .10¼- .11
Oxalate, bbls., works lb. No prices.
Salicylate, NF dms lb. 1.65 - —
Sulphate, air floated, 90%, 325 mesh bgs., works ton.56.70 -66.15
Strontium-calcium sulphide phosphorescent, dms., works lb. 2.80 2.85
Strophanthin, NF, bots oz.25.00 -25.50
Strophanthus seed, Komba, bgs. lb. 3.00 3.25
Strychnine, NF, powd., cans., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP, powd., cans, 100 ozs oz. 1.00 - —
Styrene monomer, dms., c.l., works lb. .22¼- —
l.c.l., works lb. .23¼- —
tanks, works lb. .21 - —
Styroly acetate bots lb. 1.50 1.75
Sucrose octa-acetate, denaturing grd., 100-200-lb. bgs., l.c.l., works lb. .71 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms lb. 4.00 - 4.50
Sodium, dms lb. 4.10 - 4.60
Sulphacetamide, fiber dms lb. 4.00 - 4.20
Sodium, fib. dms lb. 5.00 - 5.20
Sulphadiazin, USP, microcrystals, dms lb.10.60 -11.10
powder, dms lb.10.25 -10.75
Sulphadiazin-sodium, USP, dms lb.11.25 -11.75
micro crystals, dms lb.10.60 -11.10
Sulphaguanidin, USP, dms lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals, lb.10.65 -11.15
Sulphamerazin-sodium, USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals, dms lb. 8.90 - 9.40
powder, dms lb. 8.50 - 9.00
Sulphanilamide, USP, 30-80 mesh., dms lb. 1.40 - 1.60
microcrystals, dms lb. 1.70 - 1.90
powder, dms lb. 1.30 - 1.50
Sulphanilamidoquinoxaline, veterinary, dms lb. 6.50 - 6.75
Sulphapyridin, NF, powd., bots., tins. lb. 7.00 - 7.50
Sulphapyridin-sodium monohydrate, dms lb. 7.50 - 8.00
Sulphathiazole, USP, micro crystals, dms lb. 3.85 - 4.15
powder, dms lb. 3.50 - 3.80
Sulphathiazole-sodium, USP, dms., lb. 3.50 - 3.80
Sulphur, commercial, flour, bgs., mines 100 lbs. 2.05 - —
bbls., mines 100 lbs. 2.20 - —
lump, bgs., mines 100 lbs. 1.70 - —
bbls., mines 100 lbs. 2.00 - —
crude, bulk, c.l., mines, contract, long ton.21.00 -22.00
f.o.b., vessels, Gulf ports, export long ton.25.00 -27.50
domestic and Canada long ton.22.50 -23.50
refined, flowers, USP, bgs., mines, 100 lbs. 3.60 - —
bbls. 100 lbs. 4.75 - —
flour, light, bgs., mines 100 lbs. 3.35 - —
bbls., mines 100 lbs. 4.25 - —
lump, bgs., mines 100 lbs. 2.90 - —
rolls, bgs., mines 100 lbs. 3.35 - —
bbls., mines 100 lbs. 3.80 - —
salt block, bgs., mines 100 lbs. 3.10 - —
virgin block, bbls., mines 100 lbs. 3.05 - —
rubbermakers, com'l, regular bgs., mines 100 lbs. 2.25 - —
bbls., mines 100 lbs. 2.40 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.25 - —
bbls., mines 100 lbs. 3.40 - —
refined, bgs., mines 100 lbs. 2.85 - —
bbls., mines 100 lbs. 2.95 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.45 - —
bbls., mines 100 lbs. 3.80 - —
10% pine tar, bgs., mines, 100 lbs. 3.65 - —
washed, NF, bot lb. .11 - —
Dichloride, dms., c.l., works, frt. equald lb. .03½- —
l.c.l., same basis lb. .04¼- —
tankcars, same basis lb. .03¼- —
Dioxide liquid, com'l, cyls., works lb. .09 - —
multi unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration, cyls., l.c.l., dlvd. lb. .20 - .30
Monochloride, 55-gal. dms., c.l., frt. equald lb. .03½- —
l.c.l., same basis lb. .04¼- —
tanks, same basis lb. .03¼- —
Sumac leaf, 28%, bgs., ex-dock, short-ton.130.00 Nom.
ground, same basis ton.130.00 Nom.
Superphosphate, run-of-pile, under 22% a.p.a., pulv., bulk, Baltc. unit-ton. .86 - —
Carteret, N. J. unit-ton. .86 - .88
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla. unit-ton. .87 - —
Sweet basil, California, bgs lb. 1.05 - 1.10
imported, bgs lb. .48 - .49

T

2,4,5-T, dms., c.l., works lb. 1.60 - —
l.c.l., works lb. 1.65 - —
Isopropyl ester dms. c.l., works. lb. 1.70 - —
l.c.l., works lb. 1.75 - —
Talc, dom., ordinary, Calif., grd., bgs., c.l., works ton.25.00 -35.00
Vermont off color, grd., bgs., c.l., works ton.14.00 - —
l.c.l., works ton.17.50 - —
fibrous, New York, grd., bgs., c.l., works ton.25.00 -30.00
l.c.l. ton.28.00 -35.00
99.5%, 325 mesh, bgs., c.l., works ton.27.00 - —
l.c.l., works ton.30.00 -32.00
imp. Canadian, grd., bgs., c.l., mines ton.15.25 -35.00
Tallow, edible, tanks, dlvd lb. .08¼ Nom.
inedible, extra lb. .05⅞- —
fancy lb. .06⅛- —
special lb. .05⅛- —
No. 1 lb. .04⅛- —
sulphonated, 25%, dms., l.c.l. lb. .06½- .07
50%, dms., c.l. lb. .09½- .10
Tamarind, W.I., bbls lb. .11 - .12
Tankage, animal, feeding, 9-11% ammo, bulk unit-ton. 8.25 - —
Chicago unit-ton. 9.25 - —
Tansy leaves bls lb. .25 - .30
Tapioca flour, high grade, ex whse., bgs. lb. .12¾- .13
medium grades, ex whse., bgs. lb. .12¼- .14
Java, ex whse., bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .50 - —
l.c.l., same basis gal. .52 - —
tanks, same basis gal. .40 - —
25-28%, dms., c.l., same basis, gal. .50½- —
l.c.l., same basis gal. .52½- —
tanks, same basis gal. .46½- —
50-53%, dms., c.l., same basis, gal. .72½- —
l.c.l., same basis gal. .74½- —
tanks, same basis gal. .62½- —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tarragon herb, bgs lb. .45 - .50
Leaves, bgs lb. .65 - .70
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .56 - .59
dms. lb. .57 - .60
USP, powd., bbls., dms., kgs lb. .61 - .63
Terpin hydrate com'l bbls., c.l. lb. .24½- —
l.c.l. lb. .25 - .25¼
NF, cryst., fib. dms lb. .70 - .75
powd., fib. dms lb. .75 - .80
Terpineol, alpha free AA, commercial, dms., c.l., South lb. .13½- —
l.c.l., South lb. .14 - —
extra, dms lb. .48 - .50
prime, dms lb. .36 - .43
Terpinglycol ether, dms., c.l., works. lb. .33½- —
l.c.l. works lb. .25½- —
tanks, works lb. .22 - —
Terpinyl acetate, extra, cns., dms. lb. .55 - .70
prime, dms lb. .55 - .60
Propionate, dms lb. 1.75 - 2.00
Terra alba (see Gypsum).
Testosterone, USP, 100 gms., bots. gm. 1.90 - —
Propionate, USP, 100 gms., bots. gm. 1.00 - —

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3. Production of lacquer films that have maximum flatting consistent with good film hardness.

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Carbon Blacks
Copper Hydroxy Naphthenate
Copper Linoleate
Copper Oleate
Copper Naphthenate
Driers
Naphthenic Acid Driers
Lead-Cobalt-Calcium

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Octoic Acid Driers
Lead-Cobalt-Zinc
Witall (Tall Oil) Driers
Lead-Cobalt-Manganese
Esters
Butyl Oleate
Butyl Stearate
Dibutyl Adipate
Dibutyl Phthalate
Methylcyclohexyl Stearate
Lead Linoleate
Lead Oleate
Metallic Stearates
Aluminum Lithium
Barium Lithium Hydroxy

Metallic Stearates—*Continued*
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Calcium Sodium
Copper Strontium
Iron Zinc
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Tetrachloroethane, dms., works lb. .12½- —
Tetrachloroethylene, tech, (see Perchloroethylene).
USP, 55-gal. dms., works lb. .20½- .21½
smaller, dms., works lb. .23½- .25
Tetraethyl orthosilicate, dms., c.l., works lb. .71 - —
l.c.l. lb. .72 - —
Pyrophosphate, 40%, cns., dms., dlvd lb. .714 - —
Tetraethylenepentamine, dms., c.l., dlvd., E lb. .57½- —
l.c.l. dlvd. E lb. .58½- —
tanks, dlvd E lb. .56 - —
Tetrapotassium phosphate, (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thalium metal, dlvd lb.12.50 -15.00
Sulphate, 99%, bots., dlvd lb.10.50 -13.00
Theobromine, fib, dms lb. 4.50 - —
Salicylate, fib, dms lb. 4.75 - —
Sodio-salicylate, fib, dms lb. 3.60 - 3.65
With sodium acetate, USP, dms. lb. 4.30 - 4.35
Theophylline, anhydrous or USP, 100-lb. dms lb. 4.40 - 4.45
Thiamine hydrochloride, USP, regular or ampul-type, fib. dms kilo.160.00 - —
Mononitrate, USP, fib dms kilo.160.00 - —
Thiocarbanilide, dms lb 44 - .51
Thiodiphenylamine (see Phenothiazine).
Thiophene, dms., c.l., works lb. 1.98¾- —
l.c.l., same basis lb. 2.00 - —
Thiouracil, dms., works lb. 5.50 5.60
Thiourea, tech., dms., c.l., works. lb. .43½- —
l.c.l., works lb. .45½- —
Thorium nitrate, cs, works lb. 3.60 - —
Threonine dextro laevo, bots., 1-kilo lots kilo.700.00 - —
Thyme, French, bgs lb. .19 - .20
Spanish, bls lb. .08 - .08½
Thymol, fib, dms lb. 3.25 - 3.30
Iodide, NF, dms lb. 6.80 - —
Timbo root (see Cube root).
Tin chloride, stannous, anhyd., dms. works lb. .98½- .99½
Crystals, hydrous, bgs., bbls., works lb. .80¾- —
Metal lb. 1.21½- —
Oxide, dms lb. 1.23 - 1.24
Sulphate, stannous, bbls lb. 1.09 - 1.11
Tetrachloride, anhyd., dms., works. lb. .89 - .90
Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd. lb. .21 - .21½
l.c.l., dlvd. lb. .22 - .22½
regular, bgs., c.l., dlvd lb. .21 - .21½
l.c.l., dlvd. lb. .22 - .22½
ceramic, bgs., c.l., dlvd lb. .21 - .21½
l.c.l., dlvd lb. .22 - .22½
Metallurgical, natural, granular, bgs., c.l., f.o.b. Jacksonville, Fla ton.110.00 - —
c.l., Niagara Falls, N. Y. ton.127.50 - —
5 tons, same basis ton.132.50 - —
ton lots, same basis ton.137.50 - —
(Milled, $7.50 per ton higher.)
rutile, non-chalking, bgs., c.l., dlvd. E lb. .23 - .23½
l.c.l., dlvd. E lb. .24 - .24½
Hydride, cns., works lb. 7.95 - 9.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd lb. .08 - .08½
Titanium dioxide and pigment in bbls., ¼c. higher. Pac. coast, c.l., dlvd. L.c.l., ex whse., ½c. higher.
Tetrachloride, tech., dms., c.l., works lb. .45½-
l.c.l., works lb. .48½- .56½
tankcars, works lb. .44½- —
Tolidin base, distilled, kgs lb. 1.30 —
Tolu balsam, cns., dms lb. 4.40 - 5.90
Toluene (see Toluol).
Toluol coaltar industrial and nitration tanks, works:—
Bethlehem, Pa gal. .32 - —
Birmingham dist gal. .30 - —
Chicago dist gal. .33 - —
Cleveland dist gal. .32¾- —
Geneva, Utah gal. .26 - —
Hamilton, Ohio gal. .32 - —
Johnstown, Pa gal. .30 - —
Lackawanna, N. Y. gal. .33 - —
Lone Star, Tex gal. .35 - —
Lorain, Ohio gal. .31 - —
Minequa, Colo gal. .32 - —
Philadelphia, Pa gal. .33½- —
Pittsburgh dist gal. .30 - —
Sparrow's Point, Md. gal. .32 - —
Syracuse, N. Y. gal. .30½- —
Terre Haute, Ind gal. .33½- —
Wyandotte, Mich gal. .34¼- —
Youngstown, Ohio gal. .30½- —
Petroleum, industrial, 2° tanks works:—
Albany, N. Y. gal. .33 - —
Bayonne, N. J. gal. .33 - —
Baytown, Tex gal. .31 - —
Chicago, Ill gal. .33 - —
Detroit, Mich gal. .33 - —
Philadelphia, Pa gal. .33 - —
Providence, R. I. gal. .33 - —
Wood River, Ill gal. .33 - —
Tonga, 50% bark and vine, bls. lb. .75 - .80
Tonka beans, Angostura, cks lb. 1.75 - 1.80
Brazilian, Surinam, cs lb. 1.00 - 1.25
Totaquine, 100-oz lots, cns oz. .42 - —
Toxaphene, dms, c.l., works lb. .23 - —
truckloads, works lb. .23 - —
ton to truckloads, works lb. .26 - —
less than ton lots, works lb. .29 - —
Triacetin, dms., c.l., dlvd. E, of Rockies lb. .42¾- —
l.c.l., same basis lb. .43¾- —
tanks, same basis lb. .41 - —
Tributyl citrate, tech., dms., c.l. lb. .40½- —
l.c.l. lb. .41½- —
tanks lb. .39 - —
Phosphate, dms., c.l., frt. alld lb. .51¾- .63½
l.c.l., same basis lb. .52¾- .64½
tanks lb. .50 - —
Tributylamine, dms., c.l., works, lb. .73½- —
l.c.l., same basis lb. .75 - —
tanks, same basis lb. .72 - —
Trichlorobenzene dms., c.l., works, frt. alld. lb. .12½- —
l.c.l., frt. alld lb. .13½- —
tanks, frt. alld lb. .11 - —
Prices in the West 1¼c. higher.
Trichloroethane, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½- —
tanks, works lb. .11½- —
Trichloroethylene, dms., c.l., or truckloads, works, frt. equald. lb. .11 - —
dlvd. E. lb. .12½- —
l.c.l., works, frt. equald lb. .11½- —
dlvd. E. lb. .13½- —
tanks, works, frt. equald lb. .10 - —
dlvd. E. lb. .11 - —
Tricholine citrate, 65% solut., ret. cbys., works, frt. adjusted. lb. 1.40 - 1.45
Tricresyl phosphate coaltar, dms., c.l., dlvd. lb. .36¾- —
l.c.l., dlvd lb. .37¾- —
tanks, dlvd lb. .35 - —
petroleum, dms., c.l., dlvd. lb. .36¾- —
l.c.l., dlvd lb. .37¾- —
tanks, dlvd lb. .35 - —
Triethanolamine, dms., c.l., dlvd. E lb. .26¼- —
l.c.l., same basis lb. .27¼- —
tanks, same basis lb. .24½- —
Triethylamine, dms., c.l., works, frt. alld. E. of Rockies lb. .45½- —
l.c.l., same basis lb. .46½- —
tanks, same basis lb. .43¾- —
Triethyl citrate, tech., dms., c.l lb. .37½- —
l.c.l. lb. .38½- —
tanks lb. .36 - —
Phosphate dms., works, c.l. lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., dlvd. E. lb. .23¼- —
l.c.l., same basis lb. .24¼- —
tanks, same basis lb. .21½- —
Triethylenetetramine, dms., c.l., dlvd. E lb. .48½- —
l.c.l., dlvd. E lb. .49½- —
tanks, dlvd. E lb. .47 - —
Trimethylamine, 25-40%, dms., c.l., works, frt. equald, 100% basis lb. .38 - —
l.c.l., works, frt. equald, 100% basis lb. .38½- —
tanks, works, frt. equald., 100% basis lb. .33 - —
Tripentaerythritol, bgs., c.l., works. lb. .36½- —
l.c.l., same basis lb. .39½- —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .37 - —
l.c.l., frt. equald lb. .38 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli, air floated, bgs., c.l., works. lb. .02 - —
double grd., bgs., c.l., works lb. .0185- —
single-grd., bgs., c.l., works lb. .0175- —
Tripropyleneglycol, dms., c.l., frt. alld lb. .26¼- —
l.c.l., frt. alld lb. .27¼- —
tanks, frt. alld lb. .24½ —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).
Trisodium phosphate (see Sodium phosphate tribasic).
Trypsin, pharmaceutical, 1:80 dms., works lb. 5.00 - 5.50
Tryptophane, dextro-laevo, fib. ctns works kilo.132.00 -198.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb. 7.75 —
Turmeric root, Alleppey, bgs. lb. .10½- .11
Madras, bgs. lb. .09½- .10
Turpentine, gum and wood (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots gram. 1.00 - 1.10

U

Urethane, USP dms lb. 1.50 - —
Unicorn root false (see Helonias root)
True (see Aletris root).
Uranium oxide, black, bgs lb. 2.55 - —
yellow, kgs lb. 1.65 - —
Urea, dom., 46%, N bgs., c.l., wks. lb. .05½- —
l.c.l., works lb. .06 - —
44% N, bgs., c.l., 30 tons, frt alld, Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton.142.00 - —
l.c.l., dlvd ton.146.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars, Belle, W. Va ton.120.00 - —
C and D grades, tankcars, same basis ton.118.50 - —
37 grade, tankcars, same basis. ton.147.50 - —
Uva ursi leaves, bls lb. .08 - .10

V

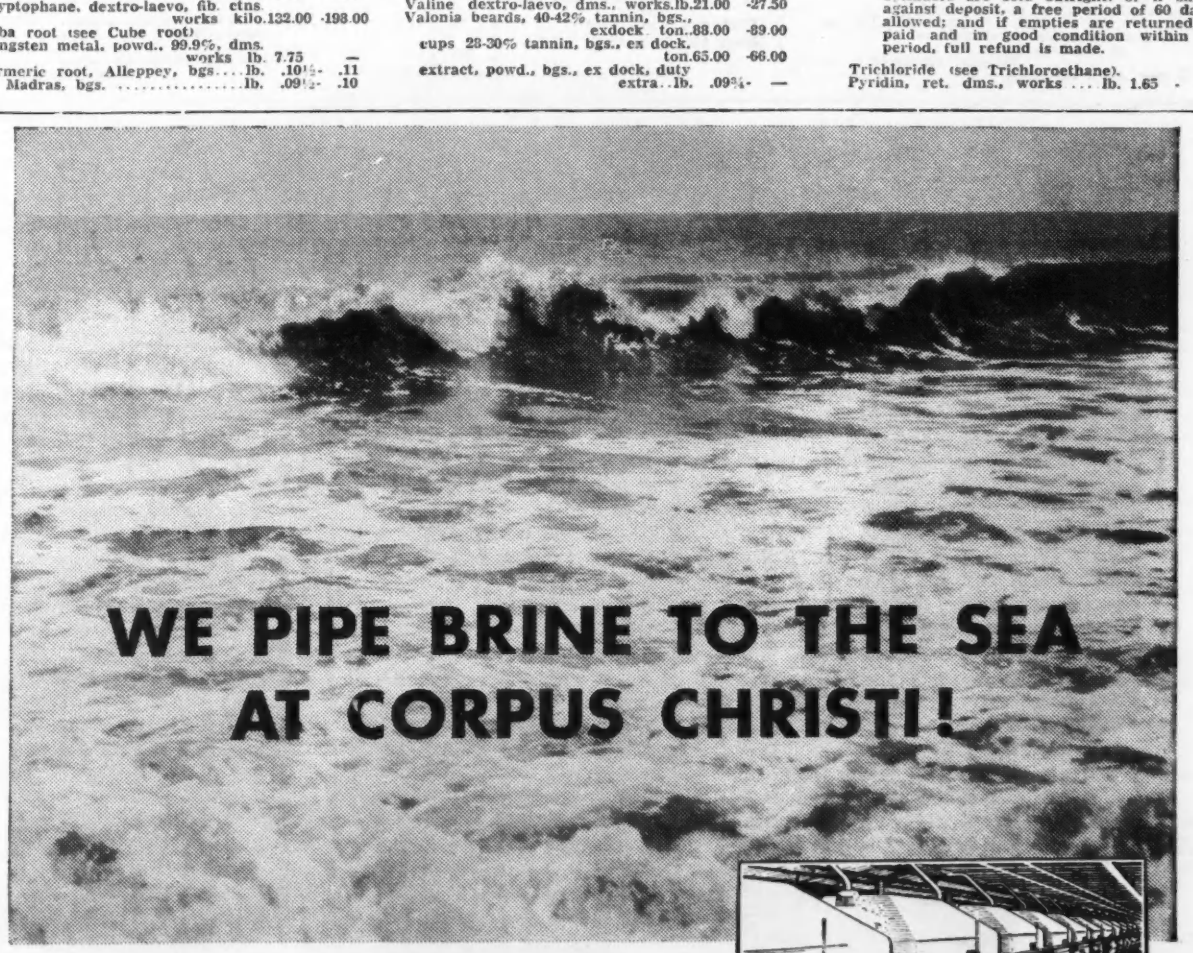
Valerian root, Belgian, NF, bls lb. .40 - .42
Valine dextro-laevo, dms., works. lb.21.00 -27.50
Valonia beards, 40-42% tannin, bgs., exdock ton.88.00 -89.00
cups 28-30% tannin, bgs., ex dock. ton.65.00 -66.00
extract, powd., bgs., ex dock, duty extra lb. .09¾- —

Tetrachloroethane—Vinyl Pyridin

Vanadium pentoxide, CP, bgs., cns. contract, works lb. 7.00 - —
tech., dms., works lb. 1.28 - 1.33
Vanilla, beans, Bourbon, tins lb. 2.65 - 3.25
Mexican, cuts, tins lb. 2.75 - 3.00
whole, tins lb. 3.50 - 3.75
Tahiti, cs lb. 2.25 Nom.
Vanillin, ex eugenol, tins, 25 lbs lb. 6.75 - —
smaller lots lb. 6.90 - 7.25
ex guaiacol, tins, 25 lbs lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25 lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., c.l., works lb. .20¾- —
l.c.l., works lb. .21¼- —
tanks, works lb. .19¾- —
Butylether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Ether (see Ether divinyl).
Ethylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methylether, cyls., works lb. .30 - —
tanks, works lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

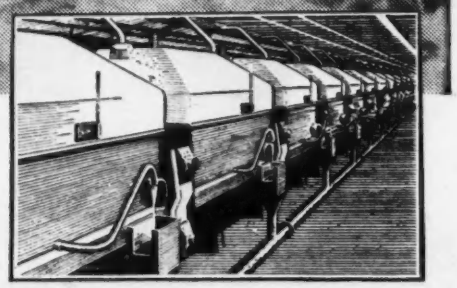
Trichloride (see Trichloroethane).
Pyridin, ret. dms., works lb. 1.65 - —



Although Corpus Christi lies almost at the tip of Texas, on the shore of the salty Gulf of Mexico, Columbia-Southern has brought billions of gallons of brine to its plant there, from the great Palangana salt dome, 60 miles inland. This is less of a paradox than it seems, for with the huge quantities of brine involved in the manufacture of chlorine, caustic soda and other alkalies, it is far more costly to purify and produce saturated saline solutions from sea water on such a scale.

The brine is transported through a 14" pipe line—the nation's longest cast iron line at the time of its construction in 1933. A down-hill flow the entire distance, the capacity is over a million gallons per day—equivalent to more than 125 tank cars of brine, or 30 freight cars handling 2,500,000 pounds of solid salt!

This is one of numerous unique features of Columbia-Southern's Corpus Christi plant—the pioneer alkali operation in the Southwest, and a forerunner of the tremendous chemical expansion in that area. Other Columbia-Southern plants serving industry's needs for alkalies and related chemicals are located at Lake Charles, Louisiana; Barberton, Ohio; Natrium, West Virginia; Bartlett, California.



THE ELECTROLYSIS OF BRINE

Basis of most chlorine production—and therefore a large share of the production of its principal co-product, caustic soda—is the electrolysis of aqueous solutions of sodium chloride.

Using diaphragm cells of ingenious design, the electrical decomposition results in chlorine gas, hydrogen gas and liquid caustic soda.

Chlorine and caustic soda are essential in the processing and production of a multiplicity of products and rank among the most important of all the world's manufactures. Columbia-Southern is one of the major producers of chlorine, caustic soda and other alkalies and related chemicals.

COLUMBIA-SOUTHERN
CHEMICAL CORPORATION
SUBSIDIARY OF PITTSBURGH PLATE GLASS COMPANY

EXECUTIVE OFFICES: FIFTH AVENUE AT BELLEFIELD, PITTSBURGH 13, PENNSYLVANIA *DISTRICT OFFICES:* BOSTON • CHARLOTTE CHICAGO • CINCINNATI • CLEVELAND • DALLAS HOUSTON • MINNEAPOLIS • NEW ORLEANS • NEW YORK PHILADELPHIA • PITTSBURGH • ST. LOUIS • SAN FRANCISCO

SODA ASH • CAUSTIC SODA • LIQUID CHLORINE • SODIUM BICARBONATE • CALCIUM CHLORIDE • MODIFIED SODAS • • CAUSTIC POTASH • CHLORINATED BENZENES RUBBER PIGMENTS (Hi-Sil, Silene EF, Calcene TM) • MURIATIC ACID • PERCHLORETHYLENE • PITTCHLOR

Viosterol—Yellow, Iron Oxide

Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USP units. 1,000,000 units. .03 - —
lots of less than 1 billion USP units..1,000,000 units. .035 - —
in natural vegetable oil, 400,000 to 1,000,000 D units per gm. bots., lots of 100 billion USP units.. lots of 1 billion USP units. 1,000,000 units. .025 - —
lots of less than 1 billion USP units. 1,000,000 units. .03 - —
Vitamin A, synthetic, acetate, crystalline, beads, 500,000 A units per gm. 1,000,000 units. .17 - —
liquid, in oil, 1,000,000 A units per gm. 1,000,000 units. .15 - —
natural, concentrates (see Oil, fishliver).
palmitate, liquid, 1,000,000-1,800,000 A units per gm. 1,000,000 units. .15 - —
in oil, 1,000,000 A units. per gm 1,000,000 units. .15 - —
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxine hydrochlorice).
B_{12}, crystalline, gm. or 5 gm. vials gram.350.00 - —
oral grade solids, in containers of 1 and 5 grams of B_{12} activity..gm.250.00 - —
C (see Acid, ascorbic).
Vitamin D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
H (see Biotin).
K_1, Active (see Menadione).
K_3, 25 gm. bots.....gram. 4.50 - —
Violet methyl toner (see Blue, methylviolet toner)
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls.....lb. 1.80 - 1.85
Tree bark, bls.....lb. .75 - .90
Warfarin, 0.5%, dms., 50 lb. lots, f.o.b. N. Y. or Chicago..lb. 1.95 - —
25-49 lb. lots, same basis..lb. 2.05 - —
5-24 lb. lots, cns., same basis.lb. 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock..ton.103.00 - —
merchantable, bgs., ex dock.ton.99.00 -100.00
extract, liquid 35% tannin, bbls., works..lb. .10¾- .11
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra, lb. .11 - —
S. Africa, 62%, tannin, ex-dock, duty extra..lb. .11¼- —
Wax amorphous (see Wax microcrystalline).
Bayberry, bgs., spot .....lb. .55 Nom.
Bees, bleached, USP, bricks, cs. lb. .69 - .71
slabs, bgs. .....lb. .67 - .69
Wax, bees, crude, African, bgs...lb. .48 - .50
Brazilian, bgs.....lb. .70 Nom.
Central American, bgs.....lb. .56 - .57
refined, yellow, bricks, cs...lb. .60 - .62
slabs, bgs. .....lb. .58 - .60
Candelilla, crude, bgs.....lb. .75 - .77
refined, bgs.....lb. .77 - .79
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs., ton lots, lb. .90 - .92
North Country, No. 2, bgs., ton lots..lb. 1.01 - 1.02
No. 3, crude, bgs., ton lots.lb. .96 - .98
refined, bgs., ton lots....lb. 1.01 - 1.02
yellow, No. 1, bgs, ton lots..lb. 1.26 - 1.28
No. 2, bgs., ton lots.....lb. 1.24 - 1.26
Powdered carnauba price differentials same as powdered candelilla.
Esparto, African.....lb. .80 - .82
Japan, bgs. .....lb. .27 - .28
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000, lbs. group 3, works lb. .13 - .14
Less than 20,000 lbs., same basis..lb. .14 - .15
170°-175° m.p., ASTM, black, ctns., 20,000 lbs., same basis lb. .11½- .12½
Less than 20,000 lbs., same basis lb. .12½- .13½
white, ctns., 20,000 lbs., same basis..lb. .24 - .25
less than 20,000 lbs., same basis lb. .25 - .26
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 - —
less than 20,000 lbs., same basis..lb. .17 - —
Wax, microcrystalline, 180°-185° m.p., ASTM, black, ctns., 20,000 lbs., same basis..lb. .14½- —
black, ctns., 20,000 lbs., same basis..lb. .14½- —
less than 20,000 lbs..lb. .15½- —
white, ctns., 20,000 lbs., same basis..lb. .27 - —
less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis..lb. .20½- —
less than 20,000 lbs., same basis lb. .21½- —
black, ctns., 20,000 lbs., same basis..lb. .19 - —
less than 20,000 lbs., same basis..lb. .20 - —
white, ctns., 20,000 lbs., same basis..lb. .33½- —
less than 20,000 lbs., same basis..lb. .34½- —
Montan, dom., refined, bgs.....lb. .31 - .32
German, crude, bgs.....lb. .13 - .14
Ouricury, ref., bgs.....lb. .79 - .80
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .26
cakes, cs. .....lb. .25 - .27
Sugar cane, crude, imp.....lb. .43 - —
ref., dom., works.....lb. .75 - .80
spot .....lb. .77¼- .82¼
White lead (see Lead., white).
White pine bark, rossed, bls....lb. .17 - .18
White precipitate, USP, powd., dms., lb. 5.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh bgs., c.l., works, ton. 6.00 -10.00
smaller lots, works..ton. 6.50 -15.00
wet-grd., bgs., c.l., works..ton.16.00 -30.00
smaller lots, works.....ton.21.00 -35.00
Paris white, bgs., c.l.....ton.24.00 -31.00
l.c.l. .....ton.25.00 -40.00
Precipitated, bgs., c.l.....ton.18.00 -20.00
l.c.l. .....ton.25.00 -35.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
thin, natural, bls.....lb. .17 - .19
rossed, bls.....lb. .19 - .22
Ginger (see Snake root, Canada).
Indigo root, bls.....lb. .30 - .31
Yam root, bls.....lb. .16 - .17
Witch hazel leaves, bls.....lb. .19 - .20
Woodflour, 40 mesh, bulk, c.l., works, East..ton.32.00 - —
l.c.l., same basis.....ton.36.80 - —
60 mesh, bulk, c.l., same basis.ton.37.00 - —
l.c.l., same basis.....ton.42.00 -55.00
Woodflower, 80-100 mesh, bulk, c.l., same basis..ton.45.00 -50.00
l.c.l., same basis .....ton.51.75 -57.50
Woodflour in bgs. extra, returnable.
Woolfat, crude (see Degras).
USP (see Lanolin).
Wormseed, American, bgs.....lb. .14 - .16
Levant, bgs.....lb. 4.25 - 4.50
Wormwood leaves, bls.....lb. .35 - .45

X

Xanthorrhiza root, bls .....lb. .28 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., l.c.l., works, frt. equald. lb. .25 - —
45°-47°C, dms., c.l., same basis. lb. .212 - —
l.c.l., same basis.....lb. .215 - —
tanks, same basis.....lb. .199 - —
fractions, over 7°C, b.r., except meta, dms., c.l., same basis. gal. 1.31 - —
l.c.l., same basis .....gal. 1.34 - —
tanks, same basis.....gal. 1.20 - —
meta fraction, over 7°C., dms., c.l., same basis..gal. 1.46 - —
l.c.l., same basis.....gal. 1.49 - —
tanks, same basis.....gal. 1.35 - —
Xylidins, mixed, dms.....lb. .39 - .50
Xylol, coaltar, industrial, tanks, works
Bethlehem, Pa.....gal. .33 - —
Birmingham district...gal. .30¼- —
Chicago district.....gal. .33½- —
Cleveland district.....gal. .33 - —
Geneva, Utah.....gal. .25 - —
Hamilton, Ohio.....gal. .32 - —
Johnstown, Pa.....gal. .31 - —
Lackawanna, N. Y....gal. .33 - —
Lone Star, Tex.....gal. .35 - —
Lorain, Ohio.....gal. .31 - —
Minequa, Colo.....gal. .34 - —
Philadelphia, Pa.....gal. .33 - —
Pittsburgh district....gal. .30 - .33
Sparrows Point, Md...gal. .33 - —
Syracuse, N. Y .....gal. .30¼- —
Terre Haute, Ind.....gal. .35 - —
Wyandotte, Mich.....gal. .34¼- —
Youngstown, O.....gal. .30½- —
Petroleum, indust., tanks, Albany, N. Y...gal. .33 - —
Bayonne, N J.....gal. .33 - —
Baytown, Tex.....gal. .31 - —
Chicago, Ill.....gal. .33 - —
Philadelphia, Pa....gal. .33 - —
Providence, R. I.....gal. .33 - —
Wood River, Ill.....gal. 33 - —

Y

Yara yara, ens.....lb. 2.25 - 2.65
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms. lb. .47 - —
90 Int'l B units per gram, 100-lb. dms. lb. .52 - —
200 Int'l B units per gram, 100-lb. dms. lb. .56 - —
300 Int'l B units per gram, 100-lb. dms. lb. .60 - —
Yellow barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul. lb. .35 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Benzidin, AAA, bbls., dlvd....lb. 1.91 - —
AAOT, bbls. .....lb. 2.00 - 2.15
Cadmium, CP, all shades, bbls., frt. alld., E. of Rockies lb. 2.85 - —
lithopone, all shades, bbls., frt. alld., E. of Rockies..lb. 1.20 - —
Cadmium yellows, Los Angeles, and San Francisco, ex whse., 1c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island..lb. .31 - —
Dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c. higher); Miss., N. C., S. C., Penna., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, 10 G, bbls., same basis as chrome..lb. 2.15 - —
G, pigment, bbls.....lb. 1.91 - —
Iron oxide, natural, bgs., c.l., works..lb. .0141- .0250
l.c.l., works.....lb. .0166- .0275
French type, bgs., c.l....lb. .04½- —
l.c.l. .....lb. .04¾- —
Peruvian type, bgs., c.l...lb. .0165- —
pure, bgs., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .1025- —

—Continued on page 48

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Volume 162 September 1, 1952 Number 9

Industrial Guidance for Students

All industry needs more fittingly educated young people as a source of its steadily increasing supply of manpower. It is quite natural then that various industries are interesting themselves in the guidance of students in the selection of basic educational courses contributory to qualifications to meet the needs of efficient working staffs. Educational authorities are working along similar lines, and guidance and advisory services are offered in many school systems.

The new participation of the Manufacturing Chemists Association in the recruiting of students for courses which will contribute to the supply of increasingly needed scientific and technical workers cannot be regarded as unexpected. The chemical industry's needs in those areas of manpower are large, and they are, with a good measure of justification, expected to increase. A closely related movement was launched a short time ago by the Engineers Joint Council, following a manpower convocation held last September. The second point in the engineers' three-point program is indicative of the common goal:—"To encourage qualified youth to consider the opportunities in engineering and to enter engineering colleges."

Both groups are working primarily on students. Their efforts in that direction would well be supplemented—or complemented—by missionary work among teachers. It is all too true that the training in schools, at all levels, falls far short of the needs of industrial application of all gradations of science and technology. There is a real need for numerous duplications in purpose, with variations in area, of the course being given to fifty college and university faculty members by businessmen and industrialists and the Case Institute of Technology in Cleveland, even though it would not always be possible to find one company which, as these, would finance the tuition, board, and lodging of the "students." Teachers in all economic lines can become far better by learning through doing—so can students in technical areas—and industry should develop with education a program of cooperation in practical experience.

There is a wide and deep difference of opinion between physical and social scientists on the contribution of modern educational practices to the needs of society. In that, as in the discussions of all other aspects of the national economy, there is not enough realistic consideration. The same is true with respect of the advantages of qualifying educationally for selected vocational activities. Too much is put forth in promotive endeavors which the majority of those addressed know from their own experiences is far more theoretical than actual.

So it is with the numerical designating of the needs in industry for recruits of this or that special basic qualification: it is not possible to predicate tomorrow's requirements on today's appearances. It is also impossible to foresee what results might follow in relation to all kinds of needs any progress toward the goal set forth by certain philosophers—that the welfare of the people of the world would be served far better by the development of more sense than by any greater development of science.

Two things can be done to contribute much to the relieving of the reported shortage of scientific and technical manpower in industry. One of these was touched upon in a preceding paragraph—make it possible for both teachers and students to learn in the actual needs of industry by doing in person what they can in those needs. This is readily enhanced in value of results by the giving of lectures in teaching institutions by specialists in the areas of industrial manpower where shortages are serious. The lecture series at the University of Maine last Spring by specialists in pulp and paper technology is a case in point.

The other contribution toward the adequacy of the supply of scientific and technical manpower is set forth in the third point of the program of the EJC Engineering Manpower Commission:—"To absolutely utilize all available engineering personnel now in industry, the government, and the military establishment." The time of a goodly segment of the technically trained personnel of those three groups is in large measure wasted in doing things which require no such qualifications.

There are two handicaps to any endeavor to interest students in specializing with any particular line of vocational activity in view. One of these is the fact that a lad, quitting school as early as the law allows and going into a mechanical enterprise where semi-skilled working is the rule, can be earning more than $100 a week within a year. The long-range view is vague. The other is that, for various reasons well known to all personnel management, promotions do not—cannot—measure up to promises. The long-range view fades.

Too Wet—Then Too Dry

A few months ago, all sorts of government bureaus and many groups of private citizens were up to their chins in problems of flood-control. Over the past several weeks, they have been sweating on plans and performances for drought-relief. With all his talking about the weather, man has made very little progress in dealing with its consequences since Noah built his ark. All sorts of schemes are floating around in bureau atmospheres in all sorts of places, from Washington to village halls. And about all they show is a lot of difference among federal bureaucrats over whether droughts make prices go up, or the recent levitations are attributable to the later excess of rain in some of the dehydrated areas. Of course, government money is being passed out, mostly to provide feed for livestock in the drought-stricken regions in a dozen or more states, from New Hampshire to Alabama and Missouri—other payings will come later. And the water which a few weeks earlier was bothering many of the same areas is now well out beyond the 3-mile limit off the nation's shores.

So, of course, the newspapers are making much of a new method for converting seawater to fresh, said to be quite inexpensive—but offering no practicable plan for wetting the parched hillsides of New England.

The nation needs an entirely new system of proper watering for its land. It needs widely scattered, properly located "rain-barrels." It needs watering-ways far more than it needs more highways—and the legislating efforts of the Congress should be shifted in that direction. Desalting of seawater has a place in the national water needs, but it cannot meet them all. Mainly it would serve best to provide drinking and industrial water for municipalities located on the coasts. The "rain-barrel" system would much better serve a much more expansive area and a much wider need for protection against the hazards and destructiveness of both too much water and too little. Experience has proved that that is not a job for the army engineers, and it is high time that it was placed in better qualified hands for federal determination and supervision and provided with the full requirement of local handling in both work and cost. The matter is one in which business should take the working lead.

OPD Forum

An Outlet for Individual Opinion

(Anonymous communications will not be recognized but a signer's name will be withheld at request.)

Casein Imports

The Editor,
OIL, PAINT AND DRUG REPORTER,
Sir:—

I appreciate your courtesy in giving my letter of July 22 your consideration [OPD, 8/4/52]. I do not want to bother you with further detail but would merely like to ask if you have ever heard of a situation comparable with that existing in the casein market at the present time which is briefly as follows:—

1. The Department of Agriculture has restricted the import of casein to a total volume of 40,000,000 pounds annually. (Domestic consumption normally amounts to 60,000,000 to 70,000,000 pounds annually.)

2. USDA is supporting the price of skim milk powder (non-fat dried milk solids) on a basis of 17 cents per pound which is equivalent to about 40 cents per pound for casein. (The same skim milk used for the production of non-fat dried milk solids is used for casein manufacture.) At this price, casein is entirely non-competitive with substitutes such as starch, soybean protein, latex, etc.

3. In some cases, sellers' price ceilings are less than 40 cents per pound, so they could not sell at competitive prices to those of non-fat dried milk solids in the event they did manufacture casein.

4. Due to the high support price being paid for non-fat dried milk solids, practically every casein factory in the United States has been closed down and production is now running at the rate of about 8,000,000 pounds annually.

5. Due to the high support price maintained for non-fat dried milk solids (human consumption grade), production of dried skim milk for animal feed has been reduced to the vanishing point. (Millions of pounds once were used for poultry and animal feed.)

6. As you may be aware, the Argentine government has placed a temporary embargo on exports of casein. As Argentina is our principal source of supply, you can appreciate what this might mean were this embargo to remain in effect for any period of time. It is my belief that this action was taken in retaliation for our restricting the import of this commodity.

There is only one answer USDA could give, were it willing to give one, and that is that it is restricting the imports of casein to take the pressure off its non-fat dried milk solids purchases. (By restricting casein imports, the market would go up and some creameries now making non-fat dried milk solids would covert to the manufacture of casein.) Officials of the department know that this answer would be "blown into a thousand pieces" the moment it was given, as they know that it is not imports but their high support price for non-fat dried milk solids that is responsible for the continued heavy production of same.

Walnut Creek, Calif. JOHN R. SPELLACY,
Dairy Products.

[In an effort to get the government's position on the question, OPD submitted a tear sheet of Mr. Spellacy's August 4 letter along with a copy of the above communication to the Department of Agriculture. USDA's reply follows.]

The Editor,
OIL, PAINT AND DRUG REPORTER,
Sir:—

In answer to your request of August 21 for a statement on our present position as regards imports of casein, I believe the situation can be summarized about as follows:—

Section 104 of the defense production act states that import controls on certain agricultural products are necessary and that imports into the United States shall be limited to such quantities as the Secretary of Agriculture finds would not (a) impair or reduce the domestic production

—*Continued on page 70*

Washington Talks It Over

—*Continued from page 5*

to the chief counsel, when all four are away, then the economic adviser becomes the acting director.

Stockpile Deterioration Problem

Government officials charged with the duty of maintaining and rotating the stockpiles of strategic and critical materials are facing the constant problem of how to prevent deterioration and lessening the necessity of replacement with its accompanying high costs. Much of the supplies, of course, can be stored in the open, but much more needs to be sheltered and stored in containers of various sorts.

Vegetable oils are being stored in huge government tank farms. There are three such farms for strategic oils, one of which has been filled to capacity. The other two will be filled by the end of this year and additional tank farms will have to be erected. Frequent examinations of the stockpiled oils have indicated that little or no change has occurred during the several years they have been stored. Experiments have shown that the addition of anti-oxidants to coconut oil has no beneficial effect.

On the other hand, officials report that analysis of shellac over an extended period of time have indicated the desirability of changes in stockpile specifications. The higher qualities appear to have a much longer storage life than the lower grades. Accordingly, the higher qualities require less frequent rotation, which more than offsets the somewhat higher costs of such grades of shellac. For this reason the government may change its stockpile specifications upward for this commodity.

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Heavy Chemicals

After a good start, demand for heavy chemicals lagged toward the close of the week probably from the influence of the holiday. Producers generally concede that the tonnage movement in August was above that of July. The overall supply situation continued comfortable with the tight spots confined principally to nickel salts and anhydrous ammonia. Chlorine was not offered as freely at the close as at the beginning of the month. The unusually long fertilizer season has kept up pressure for shipments of anhydrous ammonia. No shortage of caustic soda, soda ash or sulphuric acid could be noted. There appeared to be more phosphoric acid available than could readily be absorbed. A producer of decalcium phosphate has added the food grade to the list and is in position to start shipments this week. Copper sulphate experienced a poor season so far as agriculture is concerned. Passing of the vacation period and increased activities at glass, leather and textile plants has brightened the September outlook for the movement of heavy chemicals.

Domestic production levels of industrially important inorganic chemicals were generally lower for June than for May, 1952, and were also lower than for the corresponding 1951 period, according to the Bureau of the Census. In comparison with May figures, June production totaled less for 40 of the 58 chemicals currently included in the Bureau's monthly survey, while greater amounts were reported for 15. Smaller quantities were noted in June, 1952, for 25 of the 37 chemicals included in the survey for June, 1951, while larger quantities were recorded for 10.

June production of ammonium sulphate, mono sodium phosphate, sodium acid pyro phosphate and zinc yellow exceeded amounts reported for May, 1952, and for June, 1951. Production of aluminum chloride, calcium arsenate and sodium hydrosulphide exceeded by 10 percent or more the amounts of the previous month. On the other hand declines of 10 percent or more from May totals were reported for 17 chemicals, including acetylene, sal ammoniac, barium sulphate, lead arsenate, oxygen (high purity), phosphoric acid, phosphorus oxychloride and trichloride, caustic potash sodium bichromate and chromate, sodium tripoly phosphate and sulphur dioxide.

Paper production based on a percentage of six-day capacity was 86.8 percent for the week ending Aug. 23, according to the American Paper and Pulp Association. This compared with 86.5R in the preceding week and 97.9 for the corresponding week in 1951.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce.

Ammonia, Anhydrous—Market supply position remained tight. Some orders are still drifting in for fertilizer use as the season for direct application is exceedingly long this year. In producing quarters it was stated that short stocks are expected to continue through September. Prices are firm but unchanged.

Ammonia, Aqua — Supply conditions tight in sympathy with anhydrous. Limited production and an active demand have prevented any permanent easement in the availability of stocks.

Calcium Phosphate—Dibasic USP is moving on the basis of $7.10 per 100 pounds, works, with l.c.l. delivered New York basis held at $8.45 to $8.80. Feed grade production will be increased on September 2, with carlot shipments available at $90 per ton, works, and at $95 for l.c.l. freight equalized with recognized competitive points. This is for 18½ percent, higher strengths are priced upward depending upon grade desired.

Carbon Tetrachloride — Moderate increase in demand this month has not impaired the supply position to any appreciable extent. Stocks are available at former price levels.

Chlorine—Stocks at the close were not as free as at the beginning of the month. There were indications of a rather sharp increase in demand early last week but it did not materialize at the close. Stocks remained available but offerings were more of a spotty character. June production of chlorine gas was placed at 200,169 tons, compared with a revised total of 214,128 in May and 202,693 tons in June, 1951.

Copper Sulphate—Aside from Florida, the agricultural demand appears about over and the season was a poor one for producers. Industrial demand held fairly well with shipments to the steel industry gradually increasing. A moderate slackening off was noted in the export inquiry. Supply situation remained comfortable with immediate shipments available.

Lime—Domestic sales of open-market lime were 454,041 short tons during the month of June, about a third less than the 676,457 tons reported for May, according to reports of producers to the Bureau of Mines. Dead-burned dolomite sold or used by producers dropped sharply (72 percent), owing principally to the curtailment of steel production due to a serious strike in the steel industry. Agricultural, chemical and other industrial uses also decreased in June, whereas building lime increased slightly. In its monthly survey of lime, the Bureau of Mines has asked the producers to furnish an annual lime burning capacity, assuming that the kilns are operated 330 days per year, and excluding kilns which have not been operated within the last three years. The results of the June tabulation indicates that present annual lime burning capacity is estimated by the producers to be approximately 8,600,000 tons.

Nickel Sulphate—According to producers, supply conditions have shown no improvement over the past month. Demand for plating solutions has not been leveled off and shipments are still under allocation. The prevailing inability to secure metal is responsible for the current shortage of stocks.

Potash, Caustic — Moderate improvement in inquiry has taken place over the past month. Sales have not been unusually heavy but the volume was better than in July with chemical, soap and textile industries showing attention. Stocks remained available for immediate shipment.

Potassium Carbonate — Market conditions have followed closely the plan set by caustic potash. Reopening of consuming plants closed for the traditional vacation period brought out a better demand late in the month which gave hopes of a further increase during September. There was no shortage of stocks for glass, chemical or textile use.

Potassium Chlorate — No unusual activity could be traced in this market during the past month. Sales were of spotty character and confined mostly to actual wants.

Soda Ash—August shipments were sustained on a slightly higher level than July, according to producers. The glass plants and chemical factories were moderate contributors to the improvement but no one was sure the improved trend was permanent. There was no important increase in demand from paper mills. Stocks held a comfortable position for both light and dense ash. June production of finished light ash amounted to 172,600 tons, compared with 172,432 in the preceding month and 221,633 tons in June last year. Output of finished dense ash in June was 125,697 tons, against 140,610 in May and 152,242 tons in June, 1951. Production of natural soda ash in June was placed at 26,962 tons, compared with 29,640 in May and 31,154 tons in June last year.

Soda Caustic—While heavy inventories of cord rubber tires have checked demand from that consuming source, there has been an increase in the tonnage of caustic shipped to rayon mills. Slight improvement was also noted from the chemical, soap and other consuming industries. Stocks have remained adequate to meet all requirements promptly. Producers stated that the improvement noted was more in the liquid grade than in the dry forms.

June production recorded declines for both forms. Liquid output by the electro-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Aug. 31, 1951
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(For Current Prices see Page 9)

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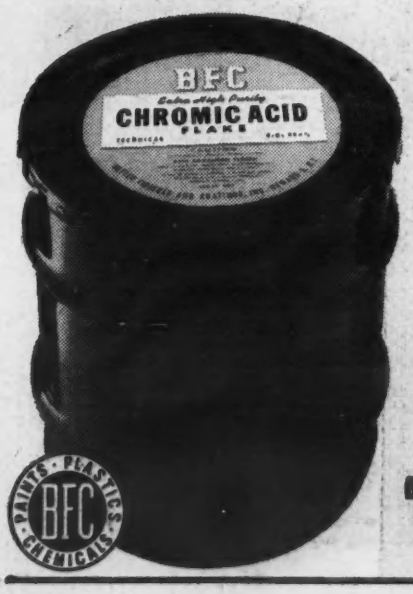

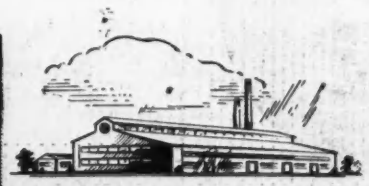
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lytic process amounted to 193,043 tons, containing 27,800 tons of solid, compared with 207,520 tons including 29,426 tons of solid in May and 195,434 tons containing 32,394 tons of solid in June, 1951. Production by the lime-soda process showed 37,840 tons of liquid including 8,718 tons of solid in June, against 43,044 tons of liquid containing 10,437 tons of solid in May and 56,848 tons of liquid including 14,807 tons of solid in June, 1951.

Sodium Bicarbonate—Shipments showed slight improvement during the past month. June production of refined was 10,879 tons, compared with 10,699 in the preceding month and 14,850 tons in June last year.

Sodium Chlorate—Relaxation of pressure for weed control has allowed the supply position to improve during the past month. Production in June amounted to 3,080 tons, compared with 3,330 in the preceding month.

Sodium Hypochlorite—June production of material containing 15 percent available chlorine amounted to 26,749 tons, compared with a revised total of 27,991 in May.

Acids

Muriatic—Stocks did not appear to be quite as free at the close as at the beginning of the month owing to a slowing down of byproduct output at some points. It was apparent that the overall supply was not impaired to a great extent as immediate shipments continued available.

Nitric—Demand has not varied much for this acid. Production has moved along steadily for miscellaneous uses and prices have been firmly sustained at former levels.

Oxalic—No unusual activity has featured the market over the past month. Small lot sales have predominated with the total volume not impressive.

Phosphoric—Production has continued somewhat in excess of demand during the past month although there were indications of an expansion in inquiry at the close. Stocks have remained readily available for immediate shipment.

Sulphuric—Shipments for iron and steel use showed improvement at the close of the month while demand from other consuming sources did not vary much. There was no shortage of stocks for either immediate or forward shipment and prices were unchanged. June production showed a gross of 1,014,939 tons including 201,663 tons made by the chamber process and 813,276 by the contact process. The May gross was 1,109,076 tons and in June last year 1,066,421 tons were made. The amount of spent acid used for fortification was 77,158 tons in June, against 68,589 in May and 81,736 tons in June, 1951.

Nonferrous Metals

Aluminum—OPS has authorized manufacturers who use aluminum, copper and steel to add 100 percent of the increased cost of these metals to the ceiling prices of their products. The action permits users to recover the higher prices they must now pay for the metals. The government has also taken aluminum and copper off the critical list and indicated an improving metal supply situation may permit a big boost in military and civilian production next year. The defense production administration forecast a better supply of steel, copper and aluminum in early 1953. This will provide leeway for advancing the tempo of the military production program or allocating more materials for civilian industry, or perhaps some of both.

Copper—Less new copper was available for consumption in June than in May owing partly to a drop of 11 percent in output from domestic mines and partly to a reduction in imports resulting from the confused price situation that prevailed for most of the month, according to the Bureau of Mines. Primary mine recoverable smelter production totaled 73,193 tons, against 81,996 in May. Daily average in June was 2,440 tons, compared with 2,645 in May.

Copper Scrap — A number of factors caused a reduction in production of secondary metals from copper-base scrap in June, according to the Bureau of Mines. The total secondary production was 74,709 short tons, compared with 87,804 tons in May, at plants of primary producers, secondary copper smelters, and brass mills. Operations were curtailed or halted at a

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number of brass mills by labor strikes or a temporary shortage of refined copper. The latter resulted from the abrogation by the Chilean Government of its copper agreement with the United States and from an embargo on Chilean exports to this country. The disruption of business by the steel strike had a depressing effect on sales of brass and bronze products used in connection with iron and steel equipment. Prices for unalloyed copper scrap were generally quoted at ceilings, but demand for brass and bronze scrap was sluggish in most sections.

Lead—Activity was not pronounced in this market last week. Sales for September shipment were reported, but the tonnage booked was not of sizable dimensions. Demand is expected to pick up when vacation influences have spent their force. The price was unchanged at 16c. per pound, New York, and 15.80c. at St. Louis.

Quicksilver—Output in April to June was virtually unchanged from the first quarter rate, according to the Bureau of Mines. The total amounted to 3,000 flasks.

Imports (general) rose 24 percent to 16,487 flasks in the second quarter of 1952 and were 47 and 9 percent, respectively, greater than the quarterly averages of 1951 and 1950. Italy supplied 48 percent of the total, Mexico 13 percent, Spain 23, and Yugoslavia 15; receipts from all areas except Yugoslavia were larger than in the preceding quarter.

Total consumption during the period was 9,500 flasks. Exports were 98 flasks compared with 185 flasks in the first quarter and reexports were 62 flasks compared with 76 flasks. Of the exports in the second quarter, 29 flasks went to Venezuela, 12 each to Cuba and Canada, and 11 to Colombia, and of reexports 55 flasks went to Canada and Newfoundland.

Market conditions remained quiet throughout the past week, with trading spotty and confined to small lots. The price range extended from $198 to $201 for flasks. Market observers detected a slightly firmer tone at the close of the week.

San Francisco.—Little change was noted on the local market although some quarters reported increased inquiry over previous weeks. Metal quotations were unchanged at $192 per flask.

Tin—Market situation remained quiet with small lot sales predominating over the past week. The London Board of Trade stated that exports of tin to the United States during July amounted to 636 tons, compared with 1,784 in June. Total exports from January through July amounted to 7,978 tons, compared with 3,359 for the corresponding period in 1951. Included in shipments this year were 6,588 tons to the U. S. against 1,447 for the same time in 1951.

Zinc—Consumption of slab zinc in the United States during May declined to 67,994 short tons to be the lowest monthly total since February, 1951, according to the Bureau of Mines. Galvanizers, however, reported a gain of 3 percent in their use of slab zinc whereas all other industry groups indicated less metal used than in April. Stocks of slab zinc at consumers' plants on May 31 were 5 percent above the April total. Smelter stocks of slab zinc, highest since May, 1950, increased 42 percent whereas stocks of zinc dust at producers' plants declined 22 percent to 1,112 tons.

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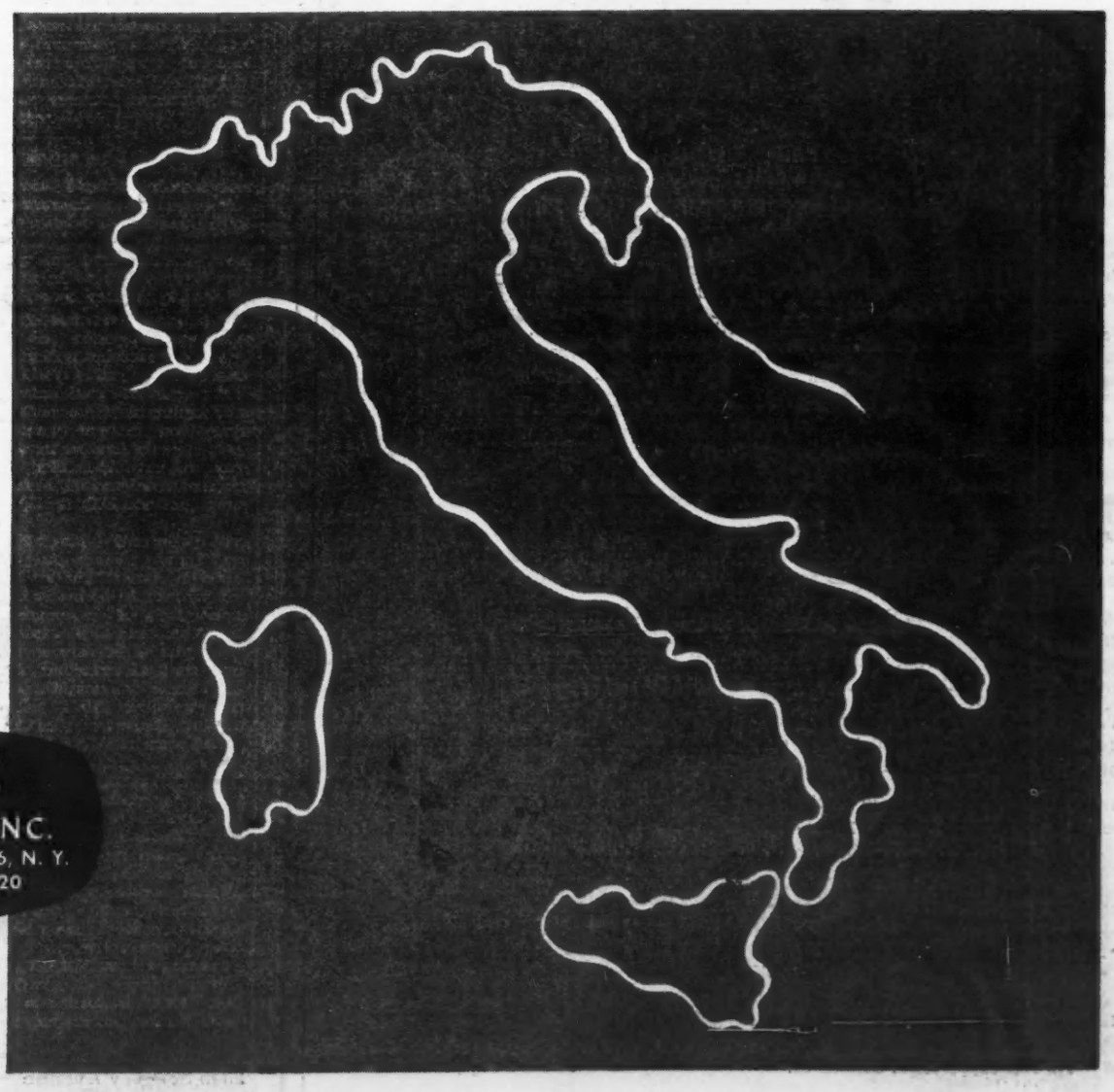

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Spencer Research Director

Dr. Christian V. Holland, former manufacturing coordinator of Sterling Drug, Inc., New York, has been appointed director of research of Spencer Chemical Company at Pittsburg, Kan., effective today. Except for the period from September, 1951, to March of this year when he served as deputy chief of the drugs, solvents and detergents branch of the National Production Authority's chemicals division, Dr. Holland had been in the Sterling post since 1947. Previously, he was associated with Merck & Co. for twelve years, and, earlier, with Freeport Sulphur Company, Virginia - Carolina Chemical Corporation and Arthur D. Little, Inc.

DuPont Shifts Office In Los Angeles Today

E. I. duPont de Nemours & Co., Wilmington, Del., has announced that its west coast office of the dyes and chemicals division and the rubber chemicals division will be moved today to 845 East 60th street, Los Angeles, with A. J. Mease as manager.

Customers in the San Francisco area may continue to direct inquiries to 111 Sutter street, San Francisco, and those in the Pacific northwest to the duPont sales office at 1238 N.W. Gilson street, Portland, Ore.

Rosenthal Bercow Appoints

Rosenthal Bercow Company, New York, has named Paul S. Bercow assistant vice-president of the concern. Mr. Bercow was formerly president of Standard Chlorine Chemical Company and Standard Naphthalene Products Company, both South Kearny, N. J.

Celanese, Coltejer Establish Joint Company in Colombia

Harold Blancke, president of Celanese Corporation of America, New York, has confirmed reports of the association of his company with Coltejer, largest cotton textile company as well as one of the largest industrial companies in Colombia, in the establishment of a new viscose rayon producing company in Colombia. The new, jointly-owned company is Viscosa Colombiana, S.A., which owns a new viscose rayon plant at Medellin. This plant was recently built by Colterayon, formerly a wholly-owned subsidiary of Coltejer.

"Celanese is responsible for the management of Viscosa Colombiana," Mr. Blancke said, "as well as for its technical direction, research and customer service. In making this joint arrangement with the important Coltejer organization, we are adhering closely to our established policies of extending our interests into other countries only in partnership with local citizens. It also follows the established pattern of supplementing our production of acetate yarn and fiber with that of the other important cellulosic, viscose." Coltejer's assets approximate $50,000,000. It is owned by more than 17,000 shareholders and has about 9,000 employees. Dr. Luis Uribe Amador has been named manager of the newly-organized Viscosa Colombiana.

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Aluminum Smelting Project In Alaska Planned by Alcoa

The Aluminum Company of America will undertake the construction of a $400,000,000 aluminum smelting project in Alaska as soon as the necessary land can be purchased and government approvals obtained, the company has announced.

Leon E. Hickman, vice-president and general counsel for Alcoa, outlined the details of Alcoa's Alaskan project which would initially be capable of producing 200,000 tons of aluminum annually. The Alaskan smelting facilities, and electric power developments necessary to operate them, would be situated in the Taiya Valley district, near Skagway. Financing of the project would be done entirely with private capital, Mr. Hickman said.

Mr. Hickman called attention to the fact that Alcoa would need to acquire approximately 20,000 acres of land in the Taiya district to accommodate the proposed works and facilities, including a town site, and pointed out that there is no way for the company to acquire this amount of land under present laws affecting Alaska. He said it probably would be necessary for congress to enact a law permitting the company to purchase the necessary land, and asked the support of all Alaskans in efforts to obtain the necessary legislation. Water power for the hydroelectric plant would have to come from Canadian sources and it would be necessary to obtain the consent of Canadian government agencies for use of the water, Mr. Hickman said.

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Blaw Knox Co. Reorganizes Tulsa Office Under Parker

Chemical plants division of Blaw-Knox Company has expanded and reorganized its Tulsa, Okla. office into a complete operating unit to be known as the western headquarters, and has appointed F. Drake Parker its manager.

Mr. Parker, who will assume his new duties today, comes to Blaw-Knox from the Badger process division of Stone & Webster Engineering Corporation, where he has been chief process engineer. Earlier in his career, Mr. Parker served as western representative of the Houdry Process Corporation; chief process engineer of the Bechtel Corporation, and research supervisor of the Union Oil Company of California. The western headquarters has been temporarily under the management of C. F. Hauck, sales promotion manager of chemical plants division.

Lithium Processing Plant Being Erected for Foote

Blaw-Knox Company, Pittsburgh, Pa., has begun construction work on a lithium processing plant at Sunbright, Va., for the Foote Mineral Company, Philadelphia.

The capacity of the projected plant was not revealed, but it was reported by Blaw-Knox to be the world's largest. Together with two related projects being undertaken by Foote—the mining of lithium ore and the quarrying and processing of limestone—it will reportedly double the nation's output of lithium. Blaw-Knox's chemical plants division, which is handling the engineering, procurement, and construction for the new plant, expects to have the facilities ready for operation within a year.

Sharples Adds Williams

Sharples Chemicals, Inc., Philadelphia, has added Richard N. Williams to its sales department staff. Mr. Williams was formerly with the paper makers chemicals department of Hercules Powder Company, Wilmington, Del.

Trade Briefs

Bridge Chemical Company, Chicago, is celebrating its tenth year in business.

Hagan Corporation, Pittsburgh, Pa., has purchased American Cast Products, Inc., Orrville, Ohio.

W. S. McChesney has been made manager of foil sales for Aluminum Company of America, Pittsburgh, Pa.

Celia H. Goetz has been designated as assistant chief counsel in the Office of Price Stabilization.

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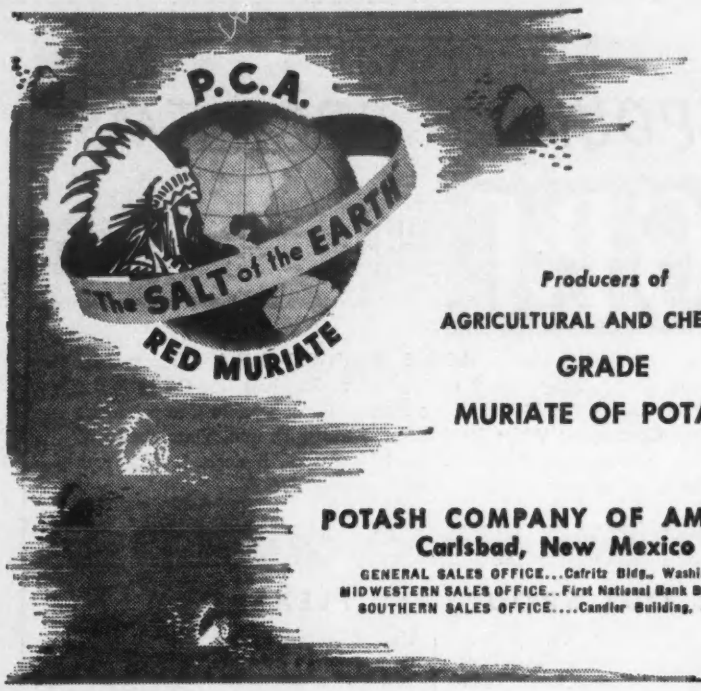

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Agricultural Chemicals

Index for agricultural chemicals declined last week from 113.66 to 113.63. There were price advances and declines with the weight of the latter predominating. Maintenance of feed demand lifted the markets for dried blood and tankage while DDT and BHC dry and wet dusts declined in price under top-heavy influences. The limitation of stocks of packing-house by products renders the markets sensitive and they move easily on slight buying or selling pressure. June production of domestic fish meal was slightly lower than a year ago while importations of foreign fish meal show a substantial increase over the first five months of 1952.

Ammonium sulphate continued tight with the scarcity more pronounced in the Midwestern area than along the Atlantic coast. Reports were current that some foreign sulphate had been recently sold with arrivals expected at Norfolk and Wilmington. It is known there is no shortage of ammonium sulphate abroad. Superphosphate remained relatively quiet with Baltimore better supplied than some other sections. Prospects for increased production depend on the amount of sulphur made available. Domestic potash contract shipments held a satisfactory seasonal average. Nitrogen solutions were said to be about in balance.

Market Trends

Prices Advanced

Blood, dried, 50c. per unit of ammonia.
Tankage, 50c. per unit of ammonia.

Prices Reduced

BHC dry dust, .015c. per gamma unit.
wet dust, .045c. per gamma unit.
DDT, 5c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Aug. 31, 1951
113.63	113.66	113.52	113.19

(For Current Prices see Page 9)

Fertilizer Materials

Ammonium Sulphate—No important easement from the former tight position, although a larger tonnage of coke-oven sulphate is moving from steel mills. According to distributors, stocks are tighter in the midwestern area than along the eastern seaboard. Reports were current that some imported material has been sold here. It is known there is no current scarcity of stocks abroad but prices named have not appealed strongly to domestic buyers.

Bone Meal—Buying interest from the stockfeed trade held the steamed variety firm at $75 per ton works for domestic. The raw grade was neglected and maintained a nominal position at $70 per ton.

Dried Blood—Upward trend of prices continued last week. Stocks are not heavy and prices easily responded to moderate buying for stockfeed use. Sales in New York were made at $8 per unit of ammonia and at $8.50 in Chicago.

Fish Meal—June production of meal and scrap by firms which normally account for about 91 percent of the total output amounted to 25,577 tons, compared with 27,153 during the same month in 1951, states the Fish and Wild Life Service of the Department of the Interior. Output of menhaden meal and scrap was 19,082 tons in June against 21,072 for the corresponding month last year. Imports of fish meal for feed and fertilizer during May, 1952, amounted to 15,453 tons, compared with 12,866 for the same month in 1951. During the first five months of 1952, fish meal imports totaled 110,548 tons, against 51,509 for the same time in 1951.

Phosphate Rock—About all the domestic activity last week was confined to contract shipments. Export inquiry was spotty with Japan buying sparingly.

Potassium Muriate — Domestic shipments are holding up to the seasonal average. Sales of foreign muriate aggregating between 50,000 and 60,000 tons were reported sold by Germany to Japan and 5 cargoes of potassium sulphate to Formosa.

Sodium Nitrate—No unusual activity. Stocks adequate to meet current requirements at former price levels.

Superphosphate — Slight loosening of stocks in some areas with Baltimore said to be in better supply shape than other sections. If there is improvement in the sulphur supply later this year, the overall stock situation may ease early in 1953.

Domestic production of superphosphate during June totaled 759,632 short tons for normal, 70,102 tons for concentrated and 5,067 tons for wet-base goods, according to the Bureau of the Census. Compared with the amounts produced last month, these figures represent decreases of 13 percent for normal and 10 percent for the concentrated grade. Quantities produced for the period January through June, 1952, increased by 2 percent for normal, 13 percent for concentrated, and 7 percent for wet-base goods from the corresponding 1951 totals.

Shipments of normal superphosphate totaled 23 percent less and concentrated 6 percent less than the amounts shipped last month. Quantities shipped during the period January through June, 1952, were 4 percent less for normal and 10 percent more for concentrated than the amounts shipped for the corresponding period of 1951. Stocks on hand for all three grades increased during the month and inventories held on June 30, 1952, were 8 percent greater for normal, 37 percent greater for concentrated, and 7 percent smaller for wet-base goods than the amounts held on June 30, 1951. Stocks of normal on June 30 were 1,009,373 tons, triple 86,112 tons and wetbase 4,885 tons.

Tankage—Priced higher on persistent buying for feed use. New York named $8.25 per unit of ammonia and Chicago $9.25.

Los Angeles Market

Los Angeles.—Light but steadily increasing inquiry and demand have stimulated the local market over the past two weeks. The blood meal and tankage markets continued to show firming up with trading reported light. A decrease of $3 per ton, c.i.f., Los Angeles Harbor, for Calcium nitrate has been announced for September and November shipments only. Imported fish meal prices were weaker with domestic meal at ceiling plus cost of sacks. With no landings at Monterey since start of the pilchard fishing season in that area, prospects for sardine meal production are nil.

Ruling prices were:—Ammonium nitrate—$85.30 per ton, domestic, f.o.b. Los Angeles, $86.84 per ton for Canadian material, f.o.b. Los Angeles.

Ammonium phosphate—$76.14 per ton in bags, 16/20 grade, f.o.b. Los Angeles. $100.64 per ton in bags, 11/48 grade, f.o.b. Los Angeles. Both Canadian material.

Ammonium sulphate—$54.87 per ton in bags, f.o.b. Los Angeles. $3 less in bulk. Canadian material same.

Blood meal—$6.75-$7 per unit of ammonia at source. Bone meal—$83-$85 per ton, imported, 165 meal, c.i.f., Los Angeles Harbor.

Calcium nitrate—$48 per ton, 15½ percent nitrogen, c.i.f., Los Angeles Harbor.

Fish meals—$146.50 per ton nominal, 65 percent sardine, bulk, f.o.b. San Francisco or Monterey. $138.60 per ton, bulk, 60 percent tuna, f.o.b. Los Angeles. $158.20 per ton, bulk, 70 percent Alaskan herring, f.o.b. Seattle. $128 per ton, in bags, 60 percent imported meal, ex-dock, Los Angeles Harbor.

Potassium muriate—50½c. per unit in bulk, f.o.b. Trona.

Potassium sulphate—95 to 98 percent K_2SO_4, 86c. per unit, f.o.b. Trona.

Sodium nitrate—$58.50 per ton in 100-pound bags, f.o.b. Los Angeles. $53.50 per ton in bulk.

Superphosphate—$23.70 per ton in bulk, f.o.b. Los Angeles. $4 extra for bags. Ammoniated—$29.50 per ton in bulk, f.o.b. Los Angeles, 3/16 grade. $4 additional for bags. Triple—$68.50-$72 per ton in bulk, 47 percent a.p.a., f.o.b. Los Angeles.

Tankage—Wet rendered, fertilizer grades, $8 per unit of ammonia, f.o.b. producing plant.

Pesticides

Quiet conditions generally noted, with a little spotty activity, mostly in Texas. Lower prices were named for DDT in some producing quarters. Carlots were priced at 33c. to 34c. per pound and 35c. to 36c. for l.c.l. BHC remained inactive, but the dry dust was lower at 1.85c. per gamma unit and wet dust was 2.80c. The declines represented liberal stocks and limited demand. According to trade reports, it is expected the government will take over some of the surplus held by producers. Scattered sales of 2,4-D and 2,4,5-T uncovered no important price changes and there were no apparent shortages in any direction. As before stated, distributors and dealers appear to have disposed of most of their holdings, and the surplus is in the hands of producers.

Locust swarms from Africa flying via Kuwait and Iraq in the early summer of 1952 settled on 450,000 hectares (1 hectare equals 2.47 acres) of land in Iran and seriously threatened crops on 150,000 hectares in the southern part of the country. However, it is reported that the entire area has been brought under control and the first brood eradicated through joint efforts of the Iranian Government, cooperating countries, and Point Four Program officials. The spraying of insecticides is continuing in certain districts to destroy the second hatching.

For Late Market Developments, See Page 4

Pioneer Chemical Manager

J. Newton Hall, former vice-president in charge of sales and merchandising for Julius Hyman & Co., Denver, Col., has been named general manager of Pioneer Chemical Associates, a newly-formed Denver concern of chemical consultants, brokers and marketers. Before assuming the Hyman vice-presidency in 1950, Mr. Hall served as sales manager of the concern for three and one-half years.

'Krilium' Data Issued by Monsanto

A progress report which summarizes various tests of "Krilium" soil conditioner in commercial agriculture has been published by Monsanto Chemical Company, St. Louis, Mo.

The company and its technical cooperators, including universities and federal and state agencies, have been testing "Krilium" in agriculture for several years. Additionally, more than twenty-five large commercial growers now have the product under test in many sections of the country. Copies of the report may be obtained by writing the merchandising division of Monsanto.

Insecticide Control of Pink Bollworm Undergoing Tests

Entomologists of the Department of Agriculture and the Texas Agricultural Experiment Station are now conducting tests to determine whether or not systemic insecticides can be used to control the pink bollworm. Working at the Brownsville, Tex., laboratory of USDA's Bureau of Entomology and Plant Quarantine, the cooperating scientists, specifically, are seeking insecticides that can be absorbed by cotton plants so that pink bollworms developing inside the green cotton bolls will be killed.

Thus far, investigators have found a dozen organic phosphate compounds that will destroy the pink bollworm through systemic action. However, they caution, the knowledge that these chemicals can be absorbed by the cotton plant in sufficient amounts to kill the pink bollworms in the bolls is a long way from practical control. Research must be continued to determine what these insecticides will do under field conditions. It must be proved that they leave no chemical residues in the cotton fiber or seed that would be harmful to man or to livestock, USDA points out. There are the additional problems of correct dosages, methods and time of application, and cost.

Evidence from tests thus far indicate that systemics used as foliage sprays show greater promise than those used as dusts or as soil treatments. Of the twelve systemic compounds that killed pink bollworms, USDA said, six required only four parts of insecticide in a million parts of green cotton boll for effective results. Three others were said to be effective when used at the rate of sixteen parts per million, and the remaining three when used at the rate of sixty-four parts per million.

Trade Briefs

F. A. S. Wood, president of Croda, Inc., New York, will visit Croda, Ltd., in England, this month.

Benjamin Webber, geologist of the geological survey, will leave Washington soon for service abroad as project chief on a Point IV mission to Iraq.

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Rayonier Names McDaniel

The appointment of Walter T. McDaniel as industrial relations manager for southeast operations of Rayonier, Inc., has been announced by William E. Breitenbach, vice president. Mr. McDaniel will have offices at Jesup, Ga., site of the company's fifth and newest cellulose mill, which when completed early in 1954 will have an annual capacity of 87,000 tons. He will also be in charge of industrial relations for the Fernandina division, Fernandina Beach, Fla., as well as for the southeast timber division.

Stauffer Catalog Revised

Stauffer Chemical Company has issued a revised 112-page edition of its general catalog covering basic chemicals for industry and agriculture. As in previous editions, the catalog gives data on all Stauffer products, and includes numerous tables on specific gravity, viscosity, specific heat, solubility and other properties. Copies are available on written request to Stauffer at 420 Lexington avenue, New York 17, or to its branch offices.

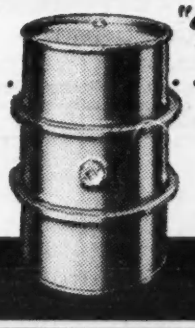
Current Prices

—Continued from page 34

Yellow, mercury oxide, bbls., 1,000-lb. lots	lb.	4.15	—
smaller, lots	lb.	4.17	—
Ocher American golden, bgs., works	lb.	.01¼	.02¼
Zinc (chromate), bbls., dlvd.	lb.	.25	—
basic, dlvd.	lb.	.30	—
Yellow dock root, bls.	lb.	.18	.19
Yellow xanthorrhiza (see Xanthorrhiza).			
Yerba santa leaves, bls.	lb.	.32	.33
Yohimbine hydrochloride, bots., tins.	oz.	4.75	5.25

Z

Zein, bgs., 30,000 lbs. lots, works	lb.	.38	—
1,000-lb. to 30,000-lb. lots, works	lb.	.40	—
smaller lots, works	lb.	.43	—
Zinc acetate tech. bbls. dms, works.	lb.	.28	—
NF VIII, dms	lb.	.53	—
Borate, bgs., c.l., dlvd. E	lb.	.192	—
l.c.l., dlvd. E	lb.	.202	—
Carbonate, rectified, powd., dms.	lb.	.26	—
tech, rubbermakers bgs, works.	lb.	.15½	.16¼
Chloride, NF, gran., dms	lb.	.42	—
solution, 50%, dms., c.l., works.			
precipitated, powd., dms	lb.	.26	—
	100 lbs.	4.75	—
l.c.l., works	100 lbs.	5.35	—
tanks, works	100 lbs.	4.10	—
tech., fused, dms., c.l., works.			
	100 lbs.	9.60	—
l.c.l., works	100 lbs.	10.00	—
gran., fib., dms., c.l., works			
	100 lbs.	10.60	—
l.c.l., works	100 lbs.	11.00	—
Chromate (see Yellow zinc).			
Cyanide, kgs., over 1,000 lbs., works	lb.	.523	—
under 1,000 lbs., works	lb.	.543	—
Dust, bbls., c.l., works	lb.	.17½	—
l.c.l., works	lb.	.18½	—
Fluoride, bbls., works	lb.	.40	—
Hydrosulphite, dms., c.l., frt. alld.	lb.	.21½	—
l.c.l.	lb.	.22	.37½
Iodide, NF, jars	lb.	4.92	—
Laurate, bbls	lb.	.45	.46
Metal, slabs, E. St. Louis	lb.	.14	—
Naphthenate, liquid, 8% Zn, frt. alld.	lb.	.23½	—
10% Zn. dms., frt. alld.	lb.	.28½	—
Oleate, fused, bbls	lb.	.36	—
Oxide, pigment, dom., acicular, bgs., c.l., dlvd.	lb.	.1475	—
l.c.l., dlvd.	lb.	.1575	—
Zinc oxide, pigment, dom., American process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.1475	—
dlvd.	lb.	.1475	—
l.c.l., dlvd.	lb.	.1575	—
leaded 35%, bgs., c.l., dlvd.	lb.	.1545	—
l.c.l., dlvd.	lb.	.1645	—
50% bgs., c.l., dlvd.	lb.	.1575	—
l.c.l., dlvd.	lb.	.1675	—
French process, com'l, green seal, bgs., c.l., dlvd.	lb.	.1650	—
l.c.l., dlvd.	lb.	.1750	—
red seal, bgs., c.l., dlvd.	lb.	.16	—
l.c.l., dlvd.	lb.	.17	—
white, seal, bgs., c.l., dlvd.	lb.	.17	—
l.c.l., dlvd.	lb.	.18	—
USP, ctns., c.l., dlvd.	lb.	.18	—
l.c.l., dlvd.	lb.	.19	—
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c higher than bgs.			
Phenosulphonate, NF, gran., dms.	lb.	.39	—
powd., dms	lb.	.42	.49
Resinate precip., dms., frt. alld.	lb.	.26¾	—
	lb.	.26¾	—
Silicofluoride, bbls., works	lb.	.12	.13
Stearate, tech., USP, ctns., c.l.	lb.	.37	—
ton, lots	lb.	.38	—
less ton lots	lb.	.39	—
Sulphate cryst., 22% Zn, bgs., c.l., works, frt. alld	100 lbs.	7.30	—
l.c.l. same basis	100 lbs.	7.70	—
flake, 25½% Zn, bgs., c.l., works	100 lbs.	6.55	—
l.c.l., works	100 lbs.	6.90	—
powdered, 36% Zn, bgs., c.l., frt. alld.	100 lbs.	9.25	9.95
l.c.l., same basis	100 lbs.	10.00	10.70
Zinc sulphate in bbls., 40c higher.			
USP, gran., dms	lb.	.26	—
Sulphide, pure, bgs., c.l., dlvd	lb.	.2530	—
Fluorescent, fib., dms., less than 1,000 lbs., works	lb.	1.10	1.90
phosphorescent fib., dms., less than 1,000 lb. lots, works.	lb.	1.85	2.50
Undecylenate, dms	lb.	2.25	2.50
Yellow (see Yellow, zinc).			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	9.05	—
l.c.l., works	100 lbs.	9.45	—
Zinc-cadmium sulphide, fluorescent fib., dms., under 1,000 lbs., works	lb.	2.10	2.90
Zinc-calcium resinate, dms., c.l., works	lb.	.1180	.1360
l.c.l., same basis	lb.	.1220	.1400
Zinc-formaldehyde sulphoxylate, basic, dms., c.l.	lb.	.25½	—
l.c.l.	lb.	.26	.41¼
normal, dms., l.c.l., works	lb.	.52	—
Zircon, (G), granular, bgs., c.l., works	lb.	.03¼	—
5 tons to c.l., works	lb.	.03¾	—
1 ton to 9,999 lbs., works	lb.	.03¾	—
500 lbs. to 1,999 lbs., works,	lb.	.04	—
less than 500 lbs., works	lb.	.06½	—
milled, bgs., c.l., works	lb.	.04¼	—
5 tons to c.l., works	lb.	.04¾	—
1 ton to 9,999 lbs., works	lb.	.04¾	—
500 lbs. to 1,999 lbs., works,	lb.	.05	—
less than 500 lbs., works	lb.	.07½	—
Zircon (G) in barrels, ¼c. higher.			
Zirconium acetate 13% sol ZrO., c.l., 30,000 lbs., minimum works	lb.	.23	—
Carbonate basic, cake bbls., works	lb	No prices.	
Hydride, cns., works	lb.	7.50	10.00
Nitrate, dms., ex whse	lb.	4.50	7.00
Oxide 98½-99% white grd., bbls. or bgs., works	lb.	1.50	—
lump electric-fused, bgs., c.l., works	lb.	.44	—
5 tons, works	lb.	.44½	—
1 ton to 9,999 lbs., works	lb.	.45	—
500 lbs. to 1,999 lbs., works	lb.	.45½	—
lump, electric-fused, bgs., less than 500 lbs., works	lb.	.48	—
milled, electric-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½	—
1 ton to 9,999 lbs., works	lb.	.60	—
500 lbs. to 1,999 lbs., works	lb.	.60½	—
less than 500 lbs., works	lb.	.63	—
Oxychloride, cryst., ctns., 5 tons, works	lb.	.32¼	—



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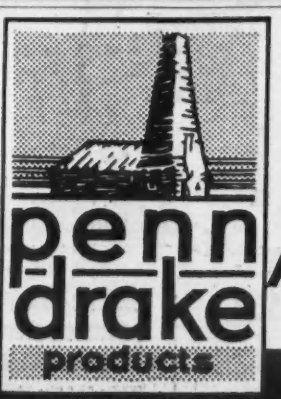

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Petroleum Derivatives

Petroleum derivatives were devoid of price developments last week. The supply picture, however, was not so steady; for there was a wide range in the availability of materials offered to meet consumer demands. In regard to materials considered in tight supply, the focus was fixed on toluol, where there was a noticeable gap between actual stocks and required needs. The recent government spurt in ordering was said to have brought about this pinch in general market stocks. Indications were that no immediate easing of the situation could be expected. In some grades of solvent naphtha, too, demand outstepped supply. In the case of the aliphatics, on the other hand, producers reported that they had no difficulty in keeping abreast of demand.

Depressed demand for propane and butane kept these gases in a weak position in most parts of the country and brought about a few instances of price shading in one area. But producers and consumers alike declared that a seasonal slackness was normal. Moderate activity was noted in the waxes, although manufacturers without great difficulty could have filled more orders than they received. Production of crude oil, by means of increased output, was geared to satisfy an expected rise in demand. Mineral oils were bought at a moderate rate.

Solvents and Diluents

Cleaners' Naphtha—Market requirements of this material were steady, causing it to move well and preventing any great buildup in stocks. Producers found the orders they received not above expectations and were able to meet demands without pushing their present manufacturing schedules. Previous prices were closely held.

Lacquer Diluent—This market recorded no price changes during the week. Consumers' orders could be filled in a reasonable amount of time, since manufacturers had their production commitments well in hand. Indications were that the immediate future would bring no weak spots in either supply or demand.

Mineral Spirits—The overall picture looked good for producers, for there appeared to be a consistent consumer interest in the material. Production was maintained on a scale large enough to bring adequate amounts to those placing orders. Stability ruled pricing schedules.

Rubber Solvent—Production during the week was held at about the levels set previously. Consumers ordered sufficient amounts to prevent an oversupply from developing, although the size of their demands was not by any means unusual. The material could be obtained at the same prices asked for it earlier.

Solvent Naphtha—The situation in regard to the 150° material was one of demand overreaching supply. Consumers' requirements were great enough to take all product that was to be found on the market and would undoubtedly have taken even more if it were available. Some producers found that allocating their output was necessary to insure fair distribution.

Buyers needing the 100° material could fill their orders without the same difficulty, as supplies were up to demand. Quotations for all grades of the material remained steady.

Stoddard Solvent—The market demand for the week held to approximately the amounts considered normal, showing neither an increase nor a tendency to sag. This amount of buyer interest was satisfied with ease by stocks on hand. Production showed every sign of continuing to meet demand to the satisfaction of the consumer.

Toluol—The tight supply of this petroleum source material was attributed to increasing government needs, specifically for aviation gasoline and for nitration. The direct result was a great difficulty for the civilian user to obtain his requirements, even though these requirements were no greater than in the past. The producers' positions were therefore, difficult, as they had to do their best to stretch production to satisfy demands made from all quarters. Throughout the week the material was sold at prices identical with those of previous weeks.

V. M. & P. Naphtha—A steady demand for this material gave producers a comfortable amount of orders and indicated that production was well geared to consumption. Users found their requirements delivered on good schedules and at accustomed prices.

Xylol—Although stocks were not in oversupply, they were considered adequate to meet the present demands of both the military and civilian consumer. Sellers could guarantee attractive delivery schedules with the current rate of production so that the danger of tightness at the moment was slim. Prices were maintained evenly.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month
103.96	103.96	107.08

(*For Current Prices see Page 9*)

Lighter Fractions

LPG's—A continued build-up of propane and butane stocks at plants and terminals brought some price shading during the week. The volume of sales at these reduced prices, however, was very slight, with the bulk of sales being made at the prices already established for these gases. In most parts of the country consumer demand continued light.

Waxes

Microcrystalline—Most grades of this material were in slight demand, with the picture simply being one of seasonal dullness. Holding production up to the level of consumers' needs offered no problem to manufacturers, who were in the position of filling all usual orders with ease. The price position showed no tendency to vary.

Paraffin—A modest demand was reported during the week and was met to the satisfaction of those concerned. All previous quotations for the material held steady. Manufacturers experienced no unusual demands for the season and felt that the market could best be described as a quiet one.

Miscellaneous

Crude Oil—The daily average production of crude oil and lease condensate for the week ended August 20 was 6,278,000 barrels, according to American Petroleum Institute estimates. This was an increase over the daily average production for June, which the Bureau of Mines reports as 6,197,000 barrels. Demand for September is estimated at 6,430,000 barrels daily by the Bureau of Mines.

Imports of crude oil and petroleum products for the week ended August 16 totaled 767,200 barrels, a drop from the average of the four-week period ending August 16, which the American Petroleum Institute revealed as 866,200 barrels.

White Mineral Oils—A moderately active market was noted, with consumers placing orders in fair quantities. Production was high enough so that prompt attention could be given to all consumers. The settled prices of past weeks showed no inclination to advance or decline.

Los Angeles Petroleum Market

Los Angeles, Aug. 27.—Steady demand for solvents and diluents prevailed throughout the past week. Stocks were sufficient to meet present requirements. Prices were unchanged as follows:—Lacquer diluent, 16.7c. to 20.7c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles Basin area. Cleaning solvents, including Stoddard, 15.7c. to 19.7c. per gallon, same basis.

Propane was plentiful and unchanged at 4.3c. per gallon, tankcars, f.o.b. Los Angeles. Demand for butane continued good at 4.8c. per gallon, tankcars, f.o.b. Los Angeles.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended August 16 totaled 270,566,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 275,658,000 barrels for the preceding week, this represents a decrease of 5,092,000 barrels comprising a decrease of 4,354,000 barrels in stocks of domestic crude and a decrease of 738,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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Coal Chemicals

There were no price changes reported last week. For the most part this market continued to be rather quiet. The majority of the basic products were just moving along at the same pace as previous weeks.

The light oils continued to move as quickly as they were produced. Benzol was about balanced. Producers expected that the benzol market would remain fairly steady for the next several weeks. Government requirements of toluol for defense uses were instrumental in making the toluol market appear as tight as it can get. Some of the increased needs for toluol were outgrowths of the steel strike. There was practically no nitration material available during the controversy; therefore the arsenals fell behind some in their T.N.T. output. Further, the stepup of the air-war in Korea has increased the need for toluol used in aviation gasoline.

The tar acids have not greatly changed their supply picture. Some producers reported very slight increases in activity, however there was no substantial trend towards a pickup. Inasmuch as the levels of demand have not significantly increased, producers felt that the current supply position would cushion any shortage of crudes which might otherwise have made the markets much tighter. The quick recovery of cokeoven production would go a long way towards improving the supply of crude tars.

Dyestuff intermediates continued to show a general but slow pickup in demand, which was found encouraging to some producers. Naphthalene was relatively unchanged. Crude material was moving well. Consumers were not having any difficulties in obtaining material. Producers have not seen much to indicate that a decided increase in calls for phthalic anhydride was developing yet. Pyridin continued to be in short supply. Benzal, benzoyl, and benzyl chlorides were currently enjoying a little more activity but the markets were still said to be quite slow. One producer looked for fair business in a month or two.

The American Iron and Steel Institute announced that the estimated operating rate for the industry during the week ending August 30, was 98.7 percent of theoretical capacity. This was equivalent to 2,050,000 tons of ingots and castings, compared to 2,017,000 tons the previous week, and 891,000 tons one month ago.

Basic Products

Benzol—There was little change in the market for this aromatic last week. Producers continued to move all of their output without any difficulties. It was expected that they would be able to sell their production next month also. Many consumers were still in the process of rebuilding their inventories.

It was said that industrial consumption has not seemed to have shown any signs of increasing. The pickup in demand for benzol since the settlement of the recent steel strike was largely thought to be a move to regain inventories lost during the shutdown. Inasmuch as producers could not tie current buying precisely to changes in the levels of consumption, or, on the other hand, be certain that it was all due to inventory buying, it was felt that the condition of the market beyond September was unknown. Suppliers did anticipate that they would find benzol balanced through September, at least.

Creosote—There has been no appreciable change in this market during the past week. The material continued to move along, although not at the same pace that it had earlier in the spring. The shortages of stocks during the steel strike were no longer dominant factors in the market. The overall supply was fairly good, however it has been said that the right amount of creosote may not always be in the right places. It was felt that the cost of shipment often prevented having the material where it was needed. Prices have held firm. There were no anticipated changes in the price schedules, or the levels of demand.

Cresols—There was nothing in this market to indicate that any significant changes were near. Producers said that there has been a little activity in the cresols, but it was not enough to indicate a trend. There was some additional buying reported when the steel strike was settled. Producers at that time felt that some crude tar shortages which were developing would tighten some isomers up a bit. However, demand has not shown a significant change in pace. Suppliers felt that there would not be any serious shortages, especially since the levels of demand have not substantially increased. Prices have held firmly to their previously established levels.

Cresylic Acid—Suppliers of domestic were ample to take care of the current levels of demand. Producers said that cresylic was moving fairly well. There has been a slight change in the activity reported by suppliers since the end of the steel strike, but it hasn't amounted to much yet. Producers felt that additional requirements at this time were more likely to represent inventory buying than increased consumption. There has been no sign of significant buying from the direction of cresylic resins.

The market for imported acid was relatively uneventful last week. ADF cresylic did not change in price. Current quotations were still from 85c. to $1 per gallon, larger lots moving at the lower limit of the range. Importers said business was normal. The material was moving in limited quantities. Consumers were not buying ahead of their normal thirty or sixty day supply, it was said. They were buying on a hand-to-mouth basis instead.

Naphthalene—The overall picture of this market has not changed much in the past week. Supplies of the crude material were just about balanced with demand, according to producers. Suppliers continued to move all of their crude output, however the pressure that was formerly on producers was no longer there. There was no great change in activity during the steel strike or after the settlement. Producers anticipated that naphthalene would go along approximately the way it has been for the past several months.

The market for imported naphthalene was very quiet last week. Prices have remained steady at 4½c. to 4¾c. per pound. Importers did not look for any changes in the schedules.

Phenol—The market for this chemical has not shown any signs of radical change in the past week. Demand hasn't shown an indication of increasing. Little was expected in the way of a pickup from phenolic resins and adhesives.

There has not been a significant change in the supply available to consumers. There were some shortages of crude tars due to the steel strike, however demand was such that producers felt that a small lag in output would not have any deleterious effect upon the market. Now that the steel industry is getting up to higher levels of output, much of the raw material outlook is better. Further, the present levels of supply were adequate to mollify the effects of raw material inadequacies.

Pyridin—This tar base continued to be in tight supply. Producers said that the original rush to tar bases in the spring when isoniazid was first introduced has abated. But, the TB drug has become another of the various end uses which require 2 degree material. It was anticipated that demand for 2 degree pyridin would be sustained at a high level through the rest of the year. The additional strain put on the market by the loss of production due to the shutdown of the cokeovens caused NPA and

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Aug. 31, 1951
113.63	113.63	113.72	111.97

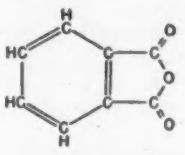
(For Current Prices see Page 9)

Coal Chemicals

Total estimate of chemical recovery cokeoven operations in the week ended August 30, indicate the following output of chemicals from that source:—

Ammonia liquid, NH_3	lbs.	946,680
Ammonium sulphate	lbs.	34,100,032
Benzol	gals.	3,382,616
Coaltar	gals.	13,201,228
Creosote oil	gals.	629,961
Naphthalene, crude	lbs.	2,423,980
Pyridin, refined	lbs.	28,759
Toluol	gals.	662,828
Xylol	gals.	173,032

For Late Market Developments, See Page 4



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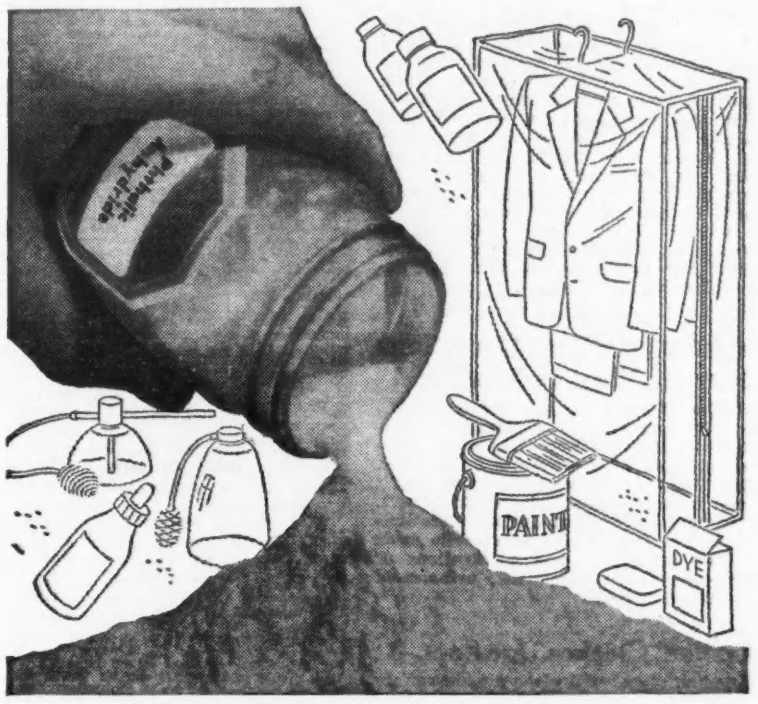

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industrial producers to meet recently to discuss the problems of allocation of the 2 degree material.

Toluol—The overall demand for this solvent has been sustained at a high level. Although industrial demand for toluol has not been up to former levels, producers have had ample opportunity to move all of their output in the direction of government uses. It was said that there is more call for nitration material than can be supplied by current stocks. In addition, government requirements of toluol for aviation gasoline have been substantially increased. The result of these high-level requirements of defense uses has been to tighten up the market.

It was said that the loss of toluol output due to the shutdown of cokeovens during the steel strike was part of the background of the present increased needs. At that time, coaltar nitration material was virtually impossible to obtain. One source stated that the constant air-war in Korea has stepped-up the need for aviation gasoline.

It was felt that there were no real signs of increases in requests for toluol to be used as a solvent in industrial finishes. Here again, the steel strike has shown some adverse affects. Manufacturers who use steel in their finished products, have not been calling for protective coating materials in the same volume that they were before the controversy. Many of the industries who lacked steel for their prodistries which lacked steel for production have not been able to rebuild their output to former levels. However, recent reports have indicated that the duration or the severity of the aftermath of the steel strike may not be quite as bad as earlier estimates. Under such estimates, most consumers were expected to have enough steel for their production before long.

Xylol—There was no real change in the picture of this market. Producers said that they continued to move just about all of their output. There were a few signs of some soft spots reported, which indicated that some consumers were catching up on their inventory losses of the steel strike period. Producers generally felt that the little spurt in buying after the settlement of the strike was a case of regaining inventories rather than increasing consumption. But, it was extremely difficult to pin-point which was for consumption and which was for inventory.

Intermediates

Benzaldehyde—This aldehyde has been holding pricewise, it was said. Demand has shown some improvement in recent weeks. The slightly better outlook for benzaldehyde was felt to be the result of consumers working down their inventories to a point where they are in a buying mood once more. However, business was still being carried on in a hand-to-mouth basis, it was said. Producers looked for fair activity in a month or two.

Benzal Chloride—Supplies of this intermediate were ample to take care of consumers needs. One producer reported that the market has been relatively stagnant. It was said that people talk of lower prices but there have been no indications that a reduction would change their buying attitude. As a result, prices held firmly to their previous established levels.

Of a more encouraging outlook, it was said that there has been a little more activity lately which was thought to be a sign that the gradual recovery of the textile industry was reaching the chlorides. This source felt that some improvement was due in a month or two.

Benzoic Acid—The market for this acid was described as pretty quiet. The bulk of the demand comes from the textile industry which has only recently shown any spark of recovery. It was said that the current buying was for small quantities. Prices have held firm. Supply was good.

Benzoyl Chloride—This chloride has also seen some slight increase lately which was attributed to a gradual recovery of textiles. However, the activity thus far has been slight, and the supply position has not significantly changed. Consumers had no particular problem in obtaining material. It was said that this intermediate has been inactive up to the present time. Prices have held to their old levels.

Benzyl Chloride—This market was very similar to the other chlorides of related groups. The general level of activity has been sluggish. There have been some slight signs that activity was increasing a bit. What improvement could be seen was tied to the gradual pickup in the textile industry. Current prices were unchanged from their old levels. Producers felt that there was no use in reductions of the schedules because they could not move any more material by bringing their levels down. It was anticipated that business will

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slowly pick up and would be at a fair level in a month or so.

Phthalic Anhydride — There was very little which would change the picture in this market last week. There have not been any significant increases in demand and none were anticipated for the next few weeks. Producers said that some reduction in demand was seen during the steel strike due to manufacturers who applied industrial finishes to their products not having the material to keep up production schedules. One source stated that there have been some recent cutbacks which were delayed reactions of the steel strike. Even though the steel industry has been rapidly increasing its rate of output, many appliance manufacturers and automobile producers have not renewed their requests for material to produce industrial finishes. One producer felt that activity was beginning to show signs of more life. This source added that phthalic should be moving better in a month or so. Other producers were reluctant to hazard a guess as to when alkyd resins or plasticizers would show an increase in demand for this anhydride.

Naphthalene Plant Operations Started in West by Productol

Productol Company, Los Angeles, Calif., has begun commercial production of seventy-eight-degree naphthalene at its newly-constructed plant at Santa Fe Springs, Calif. Tankcar shipments are now being made from the Santa Fe Springs unit. Productol's previous operations were limited to the manufacture of cresylic acids and the separation and purifications of such components as phenol, orthocresol and metaparacresol.

'Acrilan' Clothes Due Sept. 8

Leading stores will place a wide variety of men's, women's and children's clothing made from "Acrilan" on sale September 8, it was revealed by Chemstrand Corporation, maker of the new acrylic fiber, at a press conference at the Pierre hotel, New York, last week. Introduced to the press were all types of clothing in some seventy-five styles made from the fiber. Chemstrand said that in addition to pure "Acrilan" clothes the stores will also offer blends of the acrylic fiber with wool, rayon, cellulose acetate, and other fibers in various percentages.

Bids Wanted

Drugs and Chemicals, Contracting Officer, McClellan AF Base, McClellan, Cal., silver cyanide, inv. 1979-Q, Sept. 9; Chemical Corps, Chicago Procurement District, 226 W. Jackson Blvd., Chicago, Ill., 7,000 lbs. castor oil, inv. CML-M, Sept. 11; D. C. Purchasing Div. D. C. Government, East Adm. Bldg., 300 Indiana Ave., N.W. Washington 25, D. C., 35 gals. 5% DDT spray in kerosene base, 695 gals. 2% chlordane solution emulsified, 240 gals. space spray, 1,010 gals. contact spray, 20 gals. residual treatment, inv. 16021-A, Sept. 2; Marine QM, Navy Bldg., Washington 25, D. C., 15,600 gals. cresolic disinfectant, inv. 127, Sept. 19; Army Medical Corps., 94 Sands St., Brooklyn, N. Y., 9,600 0.324 gm. (5 gr.) phenobarbital-sodium injection in propyleneglycol, 5,760 1 gm. (15 gr.) procaine hydrochloride, inv. 163, Sept. 4; 67,392 5 gr. bots. aspirin tablets, 23,808 (100's) bots. alkaline aromatic solution tablets, 3,456 1-oz. tubes anesthetic ointment, 5,664 15 gr. bxs. calcium gluconate injection, 30,816 (100's) bxs. gelatin caps., 14,112 1-oz. chlorohydroxy quinoline ointment, inv. 171, Sept. 5; 125,000 (1000's) bots. APC tablets, 176,664 pt. bots. aluminum hydroxide gel, 18,432 5 gr. (100's) bots. dried aluminum hydroxide gel. tablets, 303,264 5 gr. (6's) bxs. d-amphetamine sulphate tablets, 4,032 (100's) bots. ethisterome tablets, 1,920 ¼-lb. bots. calcium gluconate, 720 11.5 gm. (12's) bxs. calcium hydroxide, 1,152 (200's) bots. calcium mandelate tablets, 17,184 (100's) bots. cascara sagrada tablets, 720 (1000's) bots. choline dihydrogen citrate tablets, 1,344 (100's) bots. diiodohydroxyquinoline tablets, inv. 177, Sept. 8; 1,152 ¼-lb. bots. potassium chlorate, 384 1-oz. bots. potassium ferricyanide, 672 ¼-lb. bots. potassium oxalate, 12,240 (100's) bots. potassium permanganate tablets, 288 ¼-lb. bots. potassium phosphate, 2,160 1-lb. bots. potassium-sodium tartrate, 288 50 cc. bots. bacto-potassium tellurite blood soln., inv. 180, Sept. 8; 4,608 1-oz. bots. phenobarbital, 52,992 (100's) bots. phenobarbital tablets, 3,600 1/60 gr. (20's) vials physostigmine salicylate tablets, 24,000 (6's) pkgs. iodoalphionic acid tablets, inv. 183, Sept. 8; 21,600 4/5 qt. medicinal whiskey, 1,920 4/5 qt. sherry wine, inv. 186, Sept. 9; 4,280 qts. cns. cottonseed oil, 576 ¼-lb. bots. caffeine citrated, 288 ¼-lb. bots. cadmium chloride, 4,320 pt. bots. comp. tinct. benzoin, 1,728 ¼-lb. bots. barbital-sodium, 384 ½-lb. bots. calcium carbonate —marble chips, 6,000 1-lb. ctns. boric acid, 72,768 2-oz. ctns. calamine lotion, 4,512 1-lb. ctns. calamine, 2,304 pkgs. (20's) acetrasone tampons, inv. 191, Sept. 9; 28,512 ½-oz. tubes petrolatum, 25,000 bxs. (6's) sodium isotonic solution, 1,532 bxs. (6's) sodium lactate injection, 7,920 50c.c. bots. vinyl ether, inv. 195, Sept. 8; 804 5 c.c. bots. hemolytic ampaceptor antisheep, 25,500 10 c.c. bots. insulin injection, 4,000 10 c.c. bots. protamine zinc, 17,330 (4's) jars gelatin sponges, inv. 204, Sept. 9; Navy Purchasing Officer, Los Angeles, Cal., 250,000 lbs. calcium carbide, inv. 155-151090-B, Sept. 8; Raritan Arsenal, Metuchen, N. J., 90,000 gals. self emulsifying degreasing solvent, inv. 23, Sept. 11; 185,500 gals. degreasing solvent, spec. Mil-S-11090 inv. 24, Sept. 11; Aberdeen Proving Ground, Md., 200,000 lbs. carbon dioxide, inv. 68, Sept. 5; Picatinny Arsenal, Dover, N. J., 1,130,000 lbs. nitrocellulose cotton linters, 13.15 N Spec. Jan. N-244, inv. 35, Sept. 8; Redstone Arsenal, Huntsville, Ala., 3,800 gals. hydrogen peroxide, inv. 98, Sept. 22; Headquarters Army Center, Fort Knox, Ky., 53,500 lbs. aluminum sulphate and 60 tons chemical hydrated lime, inv. 15, Sept. 8; Gen'l Depot, Memphis, Tenn., various chemicals including arsenous acid and sodium cyanide, inv. 7, Sept. 22; QM, Columbus Gen'l Supply Depot, Columbus 15, Ohio, 50 tons aluminum sulphate filter alum., inv. ENG-7, Sept. 10; GSA, 909 First Ave., Seattle 4, Wash., 300 gals. sodium hypochlorite soln., 5 tons half ground salt, 5 tons calcium chloride, inv. SE-F-RR-168-1, Sept. 5; GSA, 1031 S. Broadway, Los Angeles, Cal., 24 1-lb. bots. calcium chloride, 4,200 lbs. calcium hypochlorite, inv. LA-146, Sept. 8; Vet. Adm. Hospital, Roanoke 17, Va., dextrose solution, 5,000 vials, inv. 54, Sept. 4; Procurement Division, Vet. Adm. Bldg., Washington 25, D. C., 1,530 5-gal. dms. and 45 54-gal. dms. alcohol, 1 pt. anhydrous alcohol, inv. A-37, Sept. 8; 1,140 10-lb. cns. glycerin, 245 50-lb. dms. glycerin, inv. A-57, Sept. 11; 576 cns. Benedict's Reagent, 96 ¼-lb. bots. antimony trichloride, 384 1-oz. bots. cedar oil, 3,840 gals. photographic developer, 648 1-gm. bots. homatropine hydrobromide, 384 10-gm. bots. malachite green, 222 5-lb. bots. mercury, 768 ¼-lb. bots. mercury bichloride, 1,944 1-lb. bots. methanol, inv. A-43, Sept. 9; 930 ¼-lb. bots. chloroform for anesthesia, 6,360 pts chloroform not for anesthesia; 2,208 1-lb. cns. absolute ether, 44,736 ¼-lb. cns. anesthesia ether, 1,200 1-lb. bots. petroleum ether, 1,008 100-gm. bots. ethyl chloride, inv. A-49, Sept. 10.

Paint, District Engineers, 420 Locust St., St. Louis, Mo., 43 cns. linseed oil, 71 cns. pigment in oil, 54 gals. enamel, 346 gals. lacquer, inv. ENG-063-98, Sept. 5; Aviation Supply Office, 700 Robbins Ave., Phila. 11, Pa., 12,000 gals. liquid drier, inv. B-54.378, Sept. 11; 36,892 gals. nitrocellulose lacquer, plus 1,968 qts. same, inv. B-54.380, Sept. 11; Augusta Arsenal, Augusta, Ga., 25 gals. metal primer, 50 gal. interior paint, 300 lbs. plastic bituminous cement, inv. 23, Sept. 15; Watertown Arsenal, Watertown 72, Mass., 800 gals. enamel, inv. 51, Sept. 19; Red River Arsenal, Texarkana, Tex., 3,000 gals. quick-drying lustreless enamel, inv. 24, Sept. 22; Tooele Ordinance Depot, Utah, 6,000 gals. lustreless enamel, inv. 8, Sept. 8; QM, Fort Benning, Ga., 1,000 gals. interior paint, inv. 23, Sept. 12; Fort Huachuca, Ariz., 200 gals. enamel, 1,000 gals. interior paint, 1,000 gals. paint thinner, 25 lbs. chrome pigment paste, inv. 24, Sept. 17; GSA, 7th & D Sts., S.W., Washington 25, D. C., 750 gals. interior oil paint, inv. 3C 17841-R, Sept. 8; GSA, 1114 Commerce St., Dallas, Tex., 610 gals. enamel, 1,125 lbs. putty, 180 cns. floor sealer, 1,375 gals. paint thinner, 84 cns. shellac varnish, 600 gals. oil paint, inv. FW-22676, Sept. 9.

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Textile and Leather Chemicals

Trading in textile and leather chemicals was slow last week, reflecting the usual quietness prevailing during the pre-Labor Day holidays. While business was inactive, the market remained steady at unchanged prices.

In sizing materials, the scarcity of tapioca flour on spot and at primary centers continued to feature the market. High cost of shipments from Brazil continued to keep buyers on the sidelines. Light stocks on spot were firm with holders favoring regular customers. The steady increase in the price of tapioca has caused consumers to switch to corn starch and other substitutes. Domestic potato starch also was in tight supply, and consumers were dependent on importations from Holland. Stocks were extremely low in Maine and grinders limited offers to an occasional carlot. The outlook in Maine for next season's production is poor due to drought which has appreciably reduced the potato crop. Plants in Maine were closed and were not expected to start production until late in the year. Demand improved for corn dextrin and starch, of late, especially for the latter. Prices were firm, and reflected the strength of cash corn.

Buying interest for egg derivatives slackened, but the strength of the egg market kept albumen and yolk firm.

Consuming inquiry for tanning materials for shipment was moderate, but sales were reported slow. Improvement in trading, however, was expected to broaden later in the month as tanners inventories in many instances were reported running low.

Wool consumption on woolen and worsted systems average 8,200,000 pounds weekly in June, 2 percent below the May average, according to the Census Bureau. Total wool usage during the first six months fell off 24 percent to 215,500,000 pounds. Consumption of apparel wool in June averaged 6,800,000 pounds, some 6 percent larger than in May. Of this figure, 3,700,000 pounds were used on the worsted system. The six-month usage of apparel wool totaled 160,800,000 pounds, compared with 54,700,000 pounds of carpet wool during the same period.

Consumption of cotton in the July period totaled 692,594 bales, compared with 695,965 bales during June and 768,072 bales in July, 1951, according to the Census Bureau.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Aug. 31, 1951
104.07	104.07	104.45	97.71

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride—Moderate improvement was reported in buying interest, with sales confined to immediate delivery. Stocks were ample for current requirements.

Bichromates—Sales were restricted to actual needs. Withdrawals against contracts were light, though improvement was expected later in the month. Prices were without change and steady for all grades.

Sodium Acetate — Consuming inquiry continued slow. Quotations were unchanged and well held.

Sodium Hydrosulphite — Conditions in this market were unchanged. Some improvement was noted in the demand from the textile trade. Prices were unchanged and steady. Stocks were adequate to satisfy requirements promptly.

Sulphonated Oils — Business was confined to small lots for immediate delivery. All varieties were quotably unchanged and steady, reflecting the firmness of basic oils.

Sizing Materials

Blood Albumin—Sales continued in fair volume for prompt delivery. Stocks were ample and maintained at 70c. to 80c. per pound, depending upon quantity and quality. Interest in soluble dried blood was fair, chiefly for immediate needs. Prices were unchanged, ranging from 17c. to 18c. per pound, as to quantity.

Corn Dextrin—Business was fairly active for immediate and later delivery. Market was steady and all grades were maintained at current leyels. Gum was quoted at $9.10 per 100 pounds, paper bags, carlots, New York; canary, $8.84; dark, $8.94, and white, $8.68, same basis. Less carlots, 15c. per 100 pounds more.

Corn Starch—Moderate quantities were taken for prompt delivery. Prices were unchanged and firm. Pearl was maintained at $7.29 per 100 pounds, paper bags, carlots, and powder, $7.41 per 100 pounds, same basis. Less carlots were 15c. higher. Visible corn supply declined 658,000 bushels to 16,305,000 bushels for the week ended August 22, compared with 29,658,000 bushels for the same time last year, according to the Chicago Board of Trade.

Egg Albumen—Buying interest fell off, but the market remained steady at prevailing quotations. Flake was held at $2.55 to $2.57 per pound and powder at $2.59 to $2.61 per pound, depending upon quantity. Sales of technical were light, but quotations were maintained at $1.03 to $1.10 per pound, according to seller and quantity.

Egg Yolk—Demand was light and spotty. Prices were unchanged at $1.11 to $1.15 per pound, according to quantity.

Potato Starch—Business was reported fair and restricted to Dutch starch for shipment. Sales took place at 9¼c. per pound, carlots, exdock, duty paid and additional offerings were maintained at that figure. No new developments were noted in the tight domestic situation. Supplies were scarce in Maine and quotations were nominal at 10½c. per pound, carlots, f.o.b. mills, Maine. Grinders outlook was pessimistic for next season and new production was not expected to start until the end of the year. Stocks on spot were unchanged at 10¼c. to 12c. per pound, exwarehouse, according to quantity.

Sago Flour—Quiet demand was noted for spot and forward requirements. Shipments from Singapore were quoted at 7c. per pound, exdock. Spot was quotably unchanged. Raw was quoted at 7¼c. to 7½c. per pound and refined, 8¾c. to 9c. per pound, as to quantity.

Tapioca Flour—Business was restricted to small lots for spot delivery. High cost of shipments from Brazil kept buyers on the sidelines. Offers for shipments were few and quoted nominally at 13¼c. per pound, carlots, exdock. Stocks on spot were scanty and ranged from 12¾c. to 15c. per pound, exwarehouse, according to quantity and seller.

Tanning Materials

Chestnut Extract—Buying interest was light, but was expected to improve later in the month. Available stocks were light and closely held.

Cutch—Inquiry for later delivery was more active. Market was unchanged and firm at 8¼c. per pound, exdock, plus duty.

Mangrove Mark—Sales continued quiet, though inquiry for later delivery was fairly active. South American bark was maintained at $60 per ton, exdock and African, $78 per ton, same basis.

Myrobalans — Consuming inquiry was light, but primary market continued steady. Prices were without change. Ordinary JI's were held at $45 per ton, exdock and assorted at $48 per ton. Crushed were quoted at $65 to $66 per ton, same basis.

Quebracho Extract — Recently the United States government placed an order with AIPI for 50,000 tons of ordinary solid extract at private terms for its stockpile for delivery up to next June, according to reports from Buenos Aires. Tanners showed moderate inquiry for later requirements, but actual business was reported slow. Shipments were unchanged and firm. Solid ordinary was quoted at 11 31/64c. per pound, carlots, exdock, and clarified, 12 3/16c. same basis.

Valonia—Business was reported quiet. Inquiry for replacement was spotty. Shipments were unchanged and steady. Cups were quoted at $65 per ton, exdock and beards, $89 per ton, same basis. Extract was firm at the recent advance and offered at 9¾c. per pound, exdock, plus duty.

Wattle—This market remained steady, despite quiet trading. Offers for shipments were maintained at former levels for all grades. Fair average bark was quoted at $103 per ton, and merchantable, $99 to $100 per ton, exdock, South African extract was held at 11⅛c. and East African, 11c. per pound, exdock, plus duty.

For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

Blackstrap molasses, feed grade, continued to decline last week, falling off ½c. per gallon on the tankcar price. Demand was moderate at most points with New Orleans and Houston showing an increased tempo. The great majority of drugs and organic chemicals continued in the Summer doldrums but there were signs of freshening interest in some chemicals as segments of the country's industry began to step up production.

Some producers of lacquer solvents have noted a slight increase in demand which has appeared to be the forerunner of accelerated production this Fall. The furniture industry was reportedly increasing production to keep step with consumer demand. The large inventories on hand a year ago have been whittled down substantially and manufacturers were anticipating better business in coming months. Textiles were also definitely on the upswing although at a moderate rate. Consumption of acetone has been noted to be rising as an adjunct to the increase in rayon production.

The Reconstruction Finance Corporation has announced that it will put government produced butadiene on the commercial market this week. The RFC, which produces 90 percent of the nation's output of butadiene, has reportedly taken this step to stimulate interest among private butadiene producers in purchasing the government synthetic rubber plants. It has been asked by Congress to prepare to dispose of the government owned property.

Crude glycerin continued in tight supply last week and potential buyers appeared none too anxious to pay the prices being asked. A fairly large inventory of refined glycerin plus the fact that demand was only fair, generally speaking, was said to be responsible for the reluctance to buy in the current high priced crude market. Refined prices remained unchanged. Among the commodities, castor beans continued nominal with trading very quiet.

The recent issue of a list of basic materials and alternates by the Defense Production Administration moved butadiene from group I to II, which contains chemicals in approximate balance with supply. Chloroform, ethanolamines, ethylene oxide, dichloride and glycol, isopropyl alcohol, perchlor and trichloroethylene were moved into Group III classification, indicating fair to good supply.

Acetone—Demand for this solvent was said to be fair to good depending upon the producer queried. Supplies were more than adequate for current inquiry. Consumption from some directions was definitely on the upturn. The most promising was the textiles industry and more particularly rayon which uses tremendous quantities of acetone annually. The rayon industry operated at 76 percent of capacity on July, an upturn of 4 percent when compared with the preceding month.

Acetone prices continued to hold firm and it appeared that this would continue since consumption appears slated to pick up. Acetone manufactured through the fermentation process was reportedly constituting less of the overall production each year. Synthetic acetone output increased from 458,700,000 to 537,900,000 pounds while fermentation production receded from 23,700,000 pounds to 21,200,000 pounds. The substantial increase in the so-called synthetic acetone production could be seen in the steady rise in isopropyl alcohol production from which it is made.

Amyl Solvents—Demand for amyl acetate and refined fusel oil was poor to fair. There appeared to be some pickup in the consumption of these lacquer ingredients from some directions, particularly furniture manufacturers. The protective coating industry appeared to be perking up to some extent. Supplies of both fermentation and synthetic amyl acetates were said to be ample for current inquiry.

The preliminary 1951 production report issued by the Tariff Commission gives the total of 11,595,000 pounds of amyl acetates (90 percent basis) produced last year. Of this amount 9,815,000 pounds were sold for the value of $2,113,000. Total amyl alcohols (100%) produced aggregated 17,839,000 pounds of which 7,697,000 were sold. This figure included crude and refined fusel oil and all other amyl acetates.

Butadiene—The supply of this chemical has been recently classified as being in approximate balance with the demand according to the latest List of Basic Materials and Alternates issued by the Defense Production Administration. On the heels of this release came the announcement that the Reconstruction Finance Corporation will put government produced butadiene on the commercial market this week at 18c. per pound.

The RFC, which produces approximately 90 percent of the nation's butadiene, will offer the material f.o.b. Gulf coast plants. The current price for privately produced butadiene is 12½c. per pound, in tanks. This price is the ceiling allowed under GCPR and producers have been reportedly chaffing under it since increased costs have since cut down the original profit margin considerably. The government's price of 18c. was said to represent cost plus reasonable profit from the RFC's highest petroleum based butadiene cost plant.

Heretofore the RFC had consumed all the butadiene it produced in its own synthetic rubber plants except for small quantities of high cost alcohol based butadiene which was offered at a prohibitive cost.

This latest development by the RFC was reportedly designed to stimulate interest in private industry in purchasing the RFC butadiene producing facilities. Congress has asked the agency to draw up plans for the disposition of the entire synthetic rubber producing system owned by the government. It was also felt that the 18c. price would stimulate additional construction of butadiene plants by private industry since the Defense Production Administration wants private capacity increased to 162,000,000 pounds by 1954.

Castor Oil—This market continued quiet with castor beans nominally quoted at $170.00 per long ton, f.o.b., Brazil.

Imports of castor beans at New York and Philadelphia during the week ended August 28, 1952, totaled 685,500 pounds while none were brought in during the corresponding week last year. Imports of castor oil at these ports aggregated 965,600 pounds while 2,758,000 pounds were landed during the corresponding week in 1951.

Total imports of castor beans at these ports since the first of the year amounted to 92,416,700 pounds compared to the 113,860,300 pounds landed during the corresponding period last year. Imports of castor oil to date totaled 51,160,150 pounds compared to the 53,301,010 pounds landed during the corresponding period in 1951.

Cyclopropane—Production of cyclopropane was reported as 95,000 pounds during 1951 according to a preliminary report of the United States Tariff Commission. Of this production, some 67,000 pounds were sold at the value of $1,168,000.

Glycerin—Demand for refined grades of glycerin was reportedly picking up to some extent in contrast to inquiry of a few weeks ago. It was noted by some observers that the increase in demand might possibly be influenced by a threatening trucking strike said to be under consideration. In such a situation, the stepped up buying would build up inventories of refined glycerin, it was said.

Crude glycerin was definitely scarce and prices held firm. There was considerable resistance on the part of consumers, however, and there was little actual buying going on. It was reported that most crude production had been sold through September. Some crude saponification glycerin was reportedly available at 24c. to 25c. per pound, in tankcars while soaplye crude was pegged two cents per pound lower.

Crude glycerin production in July totaled 10,362,000 pounds (100% basis including synthetic), compared with 11,708,000 pounds in June and 11,044,000 pounds in July, 1951. Crude production during July was down 11.5 percent from June. Stocks of crude glycerin for July this year were down 11.2 percent from the

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

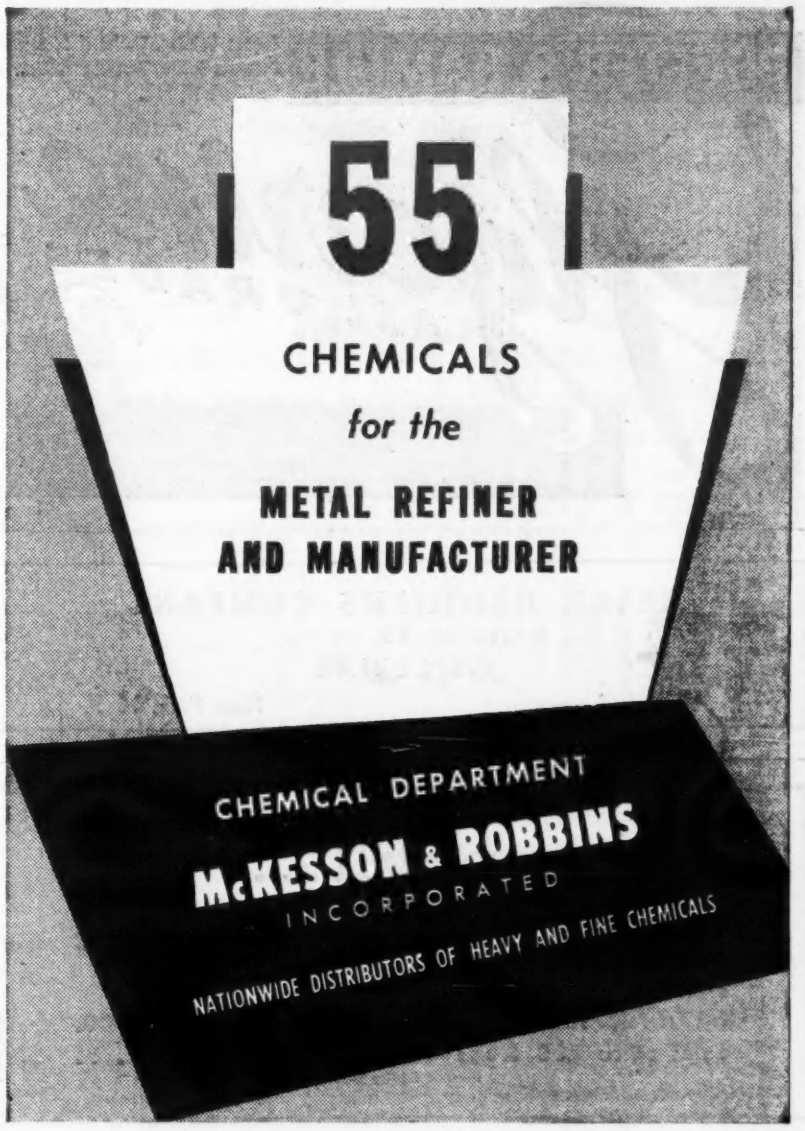
Molasses, blackstrap, feed grade, ½c. per gal.

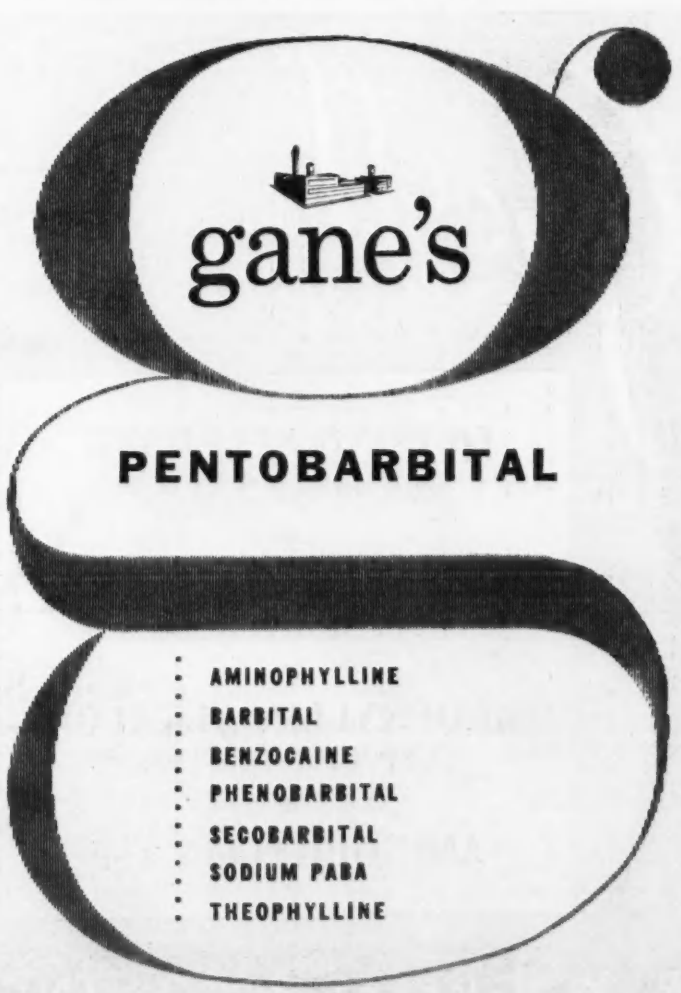
Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Aug. 31, 1951
95.75	95.75	95.77	100.85

(For Current Prices see Page 9)





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preceding month, aggregating 10,462,000 pounds.

Factory production of high gravity and yellow distilled glycerin during July totaled 5,855,000 pounds being down 17.5 percent from that during June, 1952.

Factory and warehouse stocks of these grades aggregated 13,553,000 pounds, a decline of 6.1 percent from the preceding month. Chemically pure glycerin production during July totaled 6,237,000 pounds, an increase of 14.9 percent while stocks were down 11.5 percent, totaling 21,684,000 pounds. Total stocks of all grades reported were down 9.9 percent from those during June, 1952. These statistics were released by the Association of American Soap and Glycerin Producers. The declines shown in July were partially due to vacation shutdowns in soap plants and the fact that synthetic production was not resumed until mid-July.

Hexamethylenetetramine—Demand for this compound was generally fair according to producers. Supplies were adequate for current inquiry and prices were unchanged.

The United States Tariff Commission reported 1951 production of technical grade hexamethylenetetramine at 25,699,000 pounds on a preliminary basis.

Methanol—Demand for synthetic methanol was reportedly fair to good depending upon the producer queried. Supplies were more than adequate particularly in view of additional production capacity which went into operation earlier this year. There has been some limited buying for antifreeze consumption but that industry has not shown any significant signs of stepping up its demand for methanol. Prices held unchanged.

Production of natural methanol in June, 1952, totaled 175,000 gallons compared with the 201,000 gallons turned out in May of this year. Production during June last year aggregated 180,000 gallons according to the Bureau of the Census.

Milk Powder—The market in nonfat dry milk solids was generally steady with offerings of spray process ample for moderate needs. Roller process was more closely held and offerings were barely equal to fair to good demand. Purchases by the USDA totaled 1,393,429 pounds of spray process bringing the total bought to date to 26,495,411 pounds compared to the 40,795,671 pounds purchased during the corresponding period last year. Sales during the same week totaled 196,600 pounds of spray process bringing the total to date to 22,436,605 pounds.

The market in dry whole milk was steady with offerings equal to moderate light needs. The market in roller process dry whole milk was steady to firm with domestic stocks mostly on order. Demand and offerings were light for imported material.

Molasses—Prices for cane blackstrap declined ½c. per gallon at New Orleans, Houston and east coast points during the week ended August 26. Prices at Mobile, Savannah, Jacksonville and Clewiston were unchanged from the preceding week. At New Orleans, prices ranged from 14¼ to 14½c. per gallon, mostly at the latter figure. Prices were 16½c. at New York, Baltimore and Philadelphia, and 17c. at Albany and Boston. Demand was mostly moderate at east coast points and good at New Orleans, Houston and West Coast.

On the basis of a broad study of the market of industrial molasses, the Department of Agriculture says that there is a large and highly flexible market available for additional quantities of blackstrap molasses in the live stock feed industry. The use of molasses for making industrial alcohol has declined sharply in recent years while its use for feeding livestock has expanded.

The study shows that the feed industry can easily absorb the molasses that is not consumed in the production of industrial alcohol. As an ingredient for feeds, molasses in most years is a cheaper source of carbohydrates than corn. In the past three years, about 200,000,000 gallons were used annually as feed.

Another favorable factor in the use of molasses as feed is that in the relatively few years when molasses is high priced, its use can be curtailed to a small percentage of the total feed ingredients and yet the advantage of the added palatability that it gives to feeds can be retained.

Pentaerythritol—Demand for this polyol was fair while supplies were quite ample for current inquiry. A good indication of the supply picture here was evident in the removal of pentaerythritol from the list of basic materials and alternates recently issued by the DPA since it is in abundant supply. Prices continued firm.

The manufacture of pentaerythritol has been expanded considerably in order to meet demands in resins and drying oils in the protective coating materials industry. Production during 1951 totaled 45,300,000

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pounds compared to 36,300,000 pounds turned out the preceding year.

Silver Nitrate—Production of silver nitrate according to the Bureau of the Census aggregated 4,899,000 ounces during June, 1952, compared to 4,904,000 ounces turned out in May. Production of silver nitrate last year during June totaled 5,353,000 ounces.

Sodium Benzoate—Demand for sodium benzoate was seasonally good. Supplies were adequate for current inquiry. Prices held firm. Export trade was quite low since producers were unable to compete with material of European origin in South American markets.

Production of sodium benzoate, technical and U.S.P., in 1951 totaled 4,605,000 pounds according to the Tariff Commission. The sales value of the 4,069,000 pounds sold was estimated at $1,441,000. These figures were preliminary to a final report later, it was stated.

Sugar—The United States Department of Agriculture announced that distribution of sugar in the continental United States during the week ended August 16 totaled 174,445 short tons, raw value, compared to 139,371 tons, same basis distributed during the corresponding week last year.

Total distribution of sugar to date this year amounted to 5,228,161 tons compared to 5,007,077 short tons, raw value, distributed during the corresponding period in 1951.

APMA Committee Heads Named for 1952-53 Term

The American Pharmaceutical Association has announced the appointment of chairmen of its committees for the 1952-53 term.

Named committee heads were the following:—Membership, Ray A. Johns, Kremers-Urban Company; associate membership, Dr. C. M. Bigelow, Calco Chemical Division, American Cyanamid Company; World Medical Association, Dr. H. L. Daiell, Lakeside Laboratories, Inc.; tradename, Robert L. McNeil, jr., McNeil Laboratories, Inc.; memorial, Gerald F. Rorer, William H. Rorer, Inc.; contact, D. M. Copley, Norwich Pharmacal Company; time and place, Harold F. Cummings, Vitamerican Oil Corporation, and law, J. G. Flanagan, S. B. Penick & Co.

Also, public relations, Mr. Hardt, Hoffmann, La Roche; medical section, Dr. C. H. Mann, Heyden Chemical Corporation; social and economic developments, Sidney C. Mills, Winthrop-Stearns, Inc.; industry and business policy, Francis Brown, Schering Corporation; traffic, George Cunningham, Winthrop-Stearns; export, Franz Euler, Merck (North America), Inc.; scientific and research award board, Dr. Martin Lasersohn, Winthrop-Stearns; transportation, Frank Reid, New York Quinine & Chemical Works, Inc.; production, Charles H. Pressel, Burroughs Wellcome; marketing, A. C. Emelin, Schenley Laboratories; scientific, Dr. John C. Bird, Lederle Laboratories Division, American Cyanamid; registration, R. M. Yale, S. B. Penick; entertainment, Gerald F. Pauley, Monsanto Chemical Company; ladies entertainment, Walter Nay, Mallinkrodt Chemical Works; golf, K. G. Hewitt, Kimble Glass Division, Owens-Illinois Glass Company, and tennis, Harrison F. Fraker, Topics Publishing Company.

J. G. Searle, of G. D. Searle & Co., will serve as APMA's councillor to the United States Chamber of Commerce, while James L. Rogers, of Central Pharmacal Company, will be its delegate to the national affairs committee of the chamber. Dr. J. O'Neill Closs, APMA executive secretary, will be delegate to the National Drug Trade Conference. Delegates to the American Pharmaceutical Association and the United States Pharmacopeia Convention will be Joseph G. Noh, of Winthrop-Stearns, and Dr. Closs, respectively.

Vitamin A, Riboflavin Feed Supplements Added to Pfizer

Addition of two new feed supplements, vitamin A and riboflavin, to its animal feeds line has been announced by Chas. Pfizer & Co., Brooklyn, N. Y.

The vitamin A feed supplement consists of the gelatin-stabilized vitamin together with terramycin press cake, calcium phosphate and soybean oil meal. It is being marketed in four potencies guaranteeing 5,000, 10,000, 25,000 and 250,000 USP units of vitamin A per gram. The riboflavin feed supplement will be mixed in a powder composed of riboflavin-terramycin-streptomycin presscake (the dried residue of fermentation cultures in which these drugs are grown) and calcium phosphate. Guaranteed potency will be 3.63 grams per pound. The product will be sold in fifty-pound bags.

ACTH in New Formulation Now Offered by Armour

Development of a new highly purified formulation of ACTH dissolved in a light gelatin solution has been announced by F. W. Specht, president of Armour & Co., Chicago. Called "HP Acthar Gel," the new ACTH formulation is said to be considerably cheaper than other forms and also to simplify administration of the drug.

"When ACTH was first introduced in 1950, the average retail price was about $8 for a forty-unit dose," Mr. Specht said. "The price of the new product is only $2.40 for forty units, but that is only part of the saving, because 'HP Acthar Gel' is a long-acting formula and fewer doses are required."

Trade Briefs

Dr. Benjamin M. Duggar, discoverer of aureomycin, is celebrating his eightieth birthday today.

Dr. Robert R. Williams, assistant to the president of Research Corporation, is on a lecture tour in Latin America.

Wm. S. Merrell Company, Cincinnati, Ohio, recently held a sectional sales seminar and conference in Memphis, Tenn.

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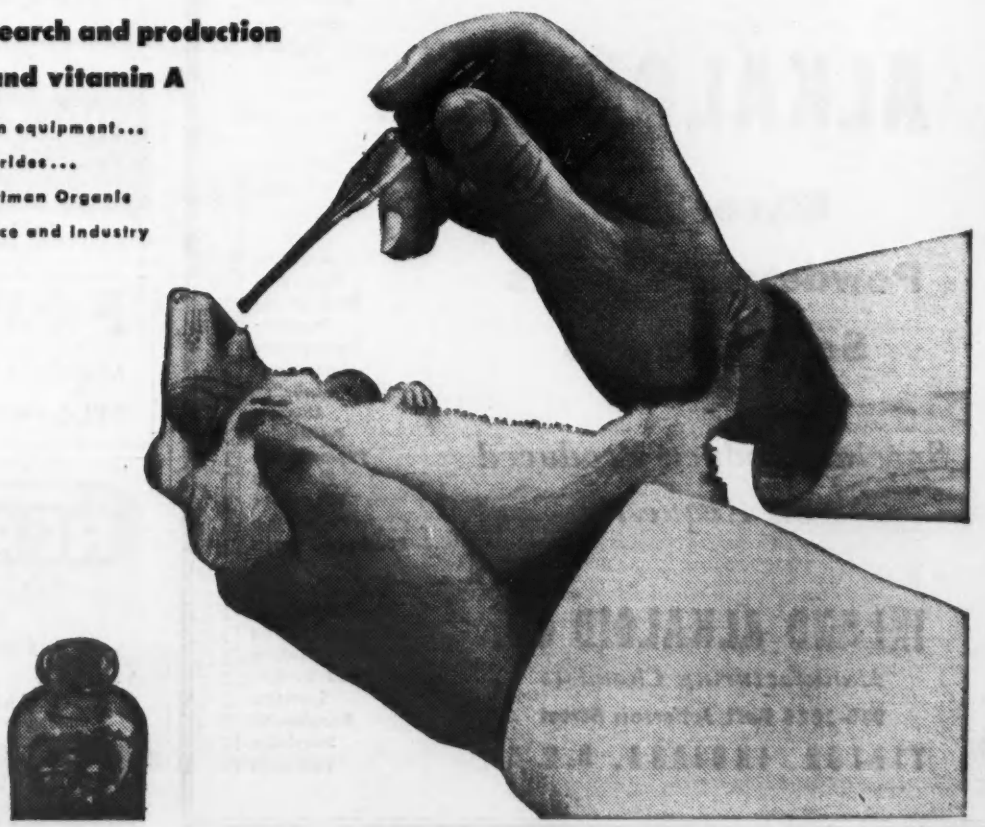

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Cities Service Head in Iran To Aid in Oil Output Revival

W. Alton Jones, president of the Cities Service Oil Company, New York, is in Iran at Premier Mohammed Mossadagh's invitation to help get that nation's oil industry back in production, it was revealed in Teheran last week. The Iranian government announcement said that Mr. Jones, who was a key figure in negotiations following Mexico's expropriation of foreign oil holdings, would visit Khusitan and Abadan to inspect installations left by the Anglo-Iranian Oil Company when Iran nationalized the industry last year.

The Department of State, while admitting that the Cities Service president had conferred with President Truman on the Iranian oil crisis prior to his departure for the Middle East, denied emphatically that Mr. Jones and other members of his oil mission were representing the United States government. Official British circles, surprised at the first news of Mr. Jones's arrival in Iran, took a more optimistic view later in the week. Noting that the State department had declared that the visit was entirely unofficial, the British view was that Mr. Jones was in Iran more as an observer and adviser than as a businessman seeking new outlets for his company.

A Cities Service spokesman in New York gave little clue as to the meaning of the mission, stating that Mr. Jones was simply on a visit of European and Middle Eastern oil producing centers. It was pointed out that while the company maintains a foreign department which keeps touch with worldwide petroleum developments, at present it has no financial or other interests in the Middle East.

Vick and Colgate Charged With Clayton Act Violation

A complaint charging unlawful interlocking directorships in violation of section 8 of the Clayton act have been issued by the Federal Trade Commission against Vick Chemical Company and Colgate-Palmolive-Peet Company.

Because the two concerns compete in the sale of toiletries and other products, the membership of William R. Basset on the boards of directors of both corporations is a violation of the law, the complaint alleged. Section 8 of the act prohibits common directorship when the corporations are competitors and one of the corporations has capital, surplus and undivided profits of more than $1,000,000.

The respondents were given twenty days to answer the complaint and a hearing will be held October 21 before one of the commission's hearing examiners.

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Fertilizer Plant in Iceland Granted World Bank Loan

The International Bank for Reconstruction and Development has made a loan of $854,000 to Iceland to enable the government to complete the equipping and construction of a major nitrogenous fertilizer plant, financed in large part by the Mutual Security Agency.

The bank's advance was made in the form of various European currencies to be used for the purchase of rectifier equipment, cement, reinforcing steel, lumber, building materials and window glass in Europe. The total cost of the plant is estimated at about $7,000,000 of which the foreign exchange cost amounts to $4,300,000, most of which was provided by MSA and its predecessor, Economic Cooperation Administration.

Operating at full capacity the new fertilizer plant will produce about 18,000 tons of ammonium nitrate a year. This is substantially above the current rate of consumption, but a gradual increase in the use of fertilizer is expected, the bank said, and eventually the whole output will be used in Iceland In the meantime, the surplus will be exported.

The loan is closely related to two previous loans made to Iceland by the bank—a loan of $1,008,000 in November, 1951, to finance farm improvements, and a loan of $2,450,000 in June, 1951, for development of power on the Sog and Laxa rivers, part of which will be used in operating the fertilizer plant.

Bennett Resigns as Head Of NPA Drugs Branch

Frank E. Bennett, chief of the drugs, solvents and detergents branch of the chemical division of the National Production Authority, has resigned to return to Publicker Industries, Inc. He resignation became effective today.

Mr. Bennett joined the NPA shortly after the Korean crisis developed and was instrumental in setting up the chemical division. During World War II he served in the chemical bureau of the old War Production Board for five years and later headed the bureau while it was being liquidated after the war. Previous to that, Mr. Bennett was with the Bloomfield Chemical Company, Harrison, N. J., for twenty-five years and was president at the time he left to join the WPB. Upon liquidation of the WPB in 1947, Mr. Bennett joined Publicker Industries, where he was eastern district sales manager for the concern with headquarters in New York.

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APhA Commemorates

—*Continued from page 7*

of the drop was accounted for by the practice of physicians of using one form for two or more perscriptions to save on the 15-cent charges.

Mr. Tristram, in his praise for socialized medicine in his country emphasized that he was at the convention to extend congratulations to the American pharmacists on their centennial and that he was not "trying to sell the program to America because you no doubt have something which suits you better." He said that in spite of criticism here and in some circles of Britain the socialized health program was a good thing for Britain.

UK Drug Profession Cooperating

He also emphasized, however, that the members of the pharmaceutical profession in England were in full accord with the program and were cooperating to their full extent for its success. He said that delay in payment for prescriptions was among a few of the minor problems facing the pharmacists but that his association and the British government are working out the problems to the satisfaction of all concerned. He blamed the delay on the fact that, while the drug stores of Great Britain prepared themselves for increased volume of business under the socialized program, the government was not so speedy in meeting the many changes which had to take place.

Sectional Activities

There was, of course, the usual expansive consideration of relevant topics in the various fields covered by the association's sections. Because of this year's centennial aspects, the program of the historical section was naturally of more than usual interest. The chief item in its activities was a symposium in tribute to the founding members of the association, in which the American Institute of the History of Pharmacy cooperated. It was opened by a prehistory of the founding, and biographies of the twenty-four founders were read.

Some idea of the activities of other sections can be got from the fact that the three subsections of the scientific section had 120 papers on the program for their two sessions. The scientific section was founded sixty-six years ago. At that time nobody had heard of the subject of this year's paper No. 1—"A Patientometric Study of the Neutralization of Antihistamine Bases," or of No. 120—"Effect of Phenergan on Infection with Tetanus Spores. But, doubtless there would have been a familiarity with No. 5—"A Proposed Method for Determining the Efficiency of Deodorants on Alcohol Breath."

In addition to its five sections, the association's convention has as equally big and important "sideshows" the following affiliants:—American Association of Colleges of Pharmacy, National Association of Boards of Pharmacy, American College of Apothecaries, American Society of Hospital Pharmacists, and National Conference of State Pharmaceutical Association Secretaries. Also meeting at the same time and place were the women's auxiliary and many fraternal, alumni, and other groups —all of them primarily concerned with improving the pharmacal service of the public.

Officers Installed

The following officers of the association, elected by mail ballotting of the members, were installed at the closing general session:—

President, R. Q. Richards, Fort Myers, Fla.

Vice-presidents, Tom D. Rowe, University of Michigan, Ann Arbor Mich.; Charles F. Lanwermeyer, Abbott Laboratories, North Chicago, Ill.

Members of the council, Walter M. Chase, Parke, Davis & Co., Detroit; Henry H. Gregg, Minneapolis; George A. Houghton, Petersburgh, N. H.

The tenures of the secretary and the treasurer are not terminated annually, and Dr. Robert P. Fischelis, Washington, and Dr. Hugo H. Schaefer, Brooklyn, continued in those offices, respectively.

Dr. Rufus A. Lyman, dean emeritus of the College of Pharmacy of the University of Nebraska, was elected honorary president.

The house of delegates elected as chairman, E. M. Josey, Frankfort, Ky., as vice-chairman, P. W. Wilcox, North Wales, Pa.

Next year's convention will be held during the week of August 16 in Salt Lake City.

A survey of the members is to be taken to have their preference for a spring, summer, or fall date for the meetings after 1954.

There will be a one-hundredth "birthday" celebration at APhA headquarters in Washington, October 6, this year.

The house where Robin Hood came to call

Miss Verna Heppel lived there. She ran the Public Library on Rock Island Street, near Main.

She lived alone, the grown-ups said, for years in that old-fashioned house. Three cats were all she had, they said. All the kids knew that wasn't so, because they'd been there, and they'd seen.

After you were, maybe, on your third Library Card—when you were about ten, or so—and Miss Verna had got to know you, one day she would ask you, with a quick little smile, if you didn't want to come to her house the next Saturday afternoon. She knew you'd say "Sure! Thanks!"

So, the next Saturday afternoon, you and a bunch of other kids would be in Miss Verna's front room. Only it wasn't a front room—it was Robin Hood's castle, or The Swiss Family Robinson's tree house, or Jim Hawkins's pirate ship, or a jungle with big drums booming. And Miss Verna wasn't Miss Verna, because she was reading to you. There never was anything like it—it was just wonderful.

That was all Miss Verna did. She helped children find things that are good.

• • •

You will let us, too, we hope, help you find things that are good. Let us help you find—not intangibles—but things that you need in your business.

Let us find sources, markets, raw materials for you. Use our world-wide facilities and experience in working with you volume manufacturers of drugs and pharmaceuticals. Use our knowledge of trends and futures.

We have helped increase profits for many. See if we can, for you, also. Call, write, or wire us—and see.

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259 bgs, Brown Bros, Port Sudan
ASBESTOS FIBER—1,200 bgs, Union Asbestos & Rubber Co, Lourenco Marques
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435 bgs, John Holt & Co, Durban
18 bgs, Pabco Products, Durban
900 bgs, Brown Bros, Lourenco Marques
BAUXITE ORE—4,350 tons, Aluminum Import Co, Georgetown
5,740 tons, Aluminum Import Co, Chaguaramas
BEESWAX—23 bgs, H H Pike, Havana
21 bgs, Bank of South America, Valparaiso
13 bgs, Irving Trust Co, Ciudad Trujillo
40 bgs, Santiago
32 bgs, Havana
BEHENIC ACID—5 bgs, Armour & Co, Liverpool
BENZOIN GUM—8 cs, Bangkok
BERYL ORE—1,073 bgs, Wm H Muller, Vitoria
BILE—22 dms, Artya Sale Co, Bombay
BISMUTH—56 bxs, Cerro de Pasco Corp, Callao
BLEACHING POWDER—100 dms, Chemical Mfg Co, Liverpool
BONE—360 bgs, Manufacturers Trust Co, Barranquilla
184 bgs, Vera Cruz
BUCHU LEAVES—10 bls, Meer Corp, Capetown
CADMIUM—40 cs, Belmot Smelting & Refining Works, Yokohama
CAJEPUT OIL—7 cs, Chase National Bank, Macassar
CAMPHOR OIL—24 dms, Dodge & Olcott, Keelung
CANANGA OIL—12 dms, Lo Curto & Funk, Djakarta
CARDAMOM—15 cs, Wm E Martin, Tuticorin
CARNAUBA WAX—27 bgs, Wm Diel & Co, Rio de Janeiro
CASEIN—60 bgs, F H Paul & Stein Bros, Bordeaux
500 bgs, Chase National Bank, Bordeaux
500 bgs, F H Paul & Stein Bros, Montevideo
743 bgs, Pan American Trust Co, Ponta Delgada
CASHEWNUT SHELL LIQUID—63 dms, Mitchel Beck Co, Lourenco Marques
56 dms, Jacques Missir, Cochin
CASSIA—300 bls, A G Dunn, Hong Kong
CASTOR BEANS—1,848 bgs, Chase National Bank, Bahia
84 bgs, Chase National Bank, Guayaquil
1,001 bgs, Spencer Kellogg, Djibouti
1,750 bgs, Spencer Kellogg, Manta
787 bgs, Lisbon
OIL—100 dms, Carters Ltd, Bombay
252 dms, Spencer Kellogg, Bombay
1,389 dms, Hardesty Chemical Co, Bombay
515 dms, Baker Castor Oil Co, Bombay
30 dms, Hans Tobeason, Rio de Janeiro
132 dms, Overseas Transport, Calcutta
CELERY SEED—170 bgs, Wm G Scarlett, Bombay
26 bgs, Martin Co, Marseille
87 bgs, C T Wilson, Bombay
87 bgs, George Lueders & Co, Bombay
CHESTNUT EXTRACT—5,967 bgs, Barkey Importing Co, Genoa
1,000 bgs, Barkey Importing Co, Naples
2,998 bgs, International Expediters, Naples
2,000 bgs, International Expediters, Trieste
1,000 bgs, Barkey Importing Co, Trieste
1,000 bgs, Naples
CHLORAL HYDRATE—20 dms, River Plate Import & Export Corp, London
CHLOROPHYLL—3 cs, Charles Bowman & Co, London
CHOLIC ACID—36 dms, Wilson & Co, Buenos Aires
CINNAMON LEAF OIL—4 dms, Volkart Bros, Colombo
QUILLS—100 bls, East Asiatic Co, Colombo
200 bls, Otto Gerdau, Colombo
100 bls, Volkart Bros, Colombo
CITRONELLA OIL—25 dms, Dodge & Olcott, Hong Kong
57 dms, Lo Curto & Funk, Keelung
25 dms, Interocean Chemical & Minerals Corp, Keelung
25 dms, A Maschmeijer, Jr, Keelung
10 dms, L A Champon & Co, Keelung
25 dms, Magnus, Mabee & Reynard, Hong Kong
14 dms, Melanol Corp, Keelung
CLOVE OIL—24 dms, Magnus Mabee & Reynard, Marseille
COALTAR ACID—13 dms, Perry Ryer & Co, Hull
DYES—13 cks, C A Haynes, Rotterdam
COALTAR DYES—13 cks, C A Haynes, Rotterdam
13 cks, Hensel Bruckmann & Lorbacher, Rotterdam
50 dms, C A Haynes, Genoa
4 dms, Nova Chemical Corp, Rotterdam
COCONUT OIL—300 tons, American Trust Co, Cebu
1,254 tons, Pacific Vegetable Oil Corp, Manila
255 tons, Bank of California, Zamboanga
199 tons, Zimmerman Alderson Carr Co, Cebu
750 tons, Bunge Corp, Cebu
CORUNDUM ORE—2,540 bgs, C Tennant Sons & Co, Lourenco Marques
CREOSOTE, COALTAR—77 dms, Perry Ryer & Co, Hull
CRESYLIC ACID—353 dms, H A Gogarty, Liverpool
CUBEB BERRIES, 24 bgs, Volkart Bros, Singapore
CUTTLEFISH BONE—150 cs, Lisbon
DAMMAR GUM—182 cs, O G Innes Corp, Djakarta
100 cs, S Winterbourne, Djakarta
50 cs, Gillespie-Rogers-Pyatt, Djakarta
100 bgs, Brown Bros, Djakarta
35 cs, S Winterbourne & Co, Bangkok
70 bgs, Gillespie-Rogers-Pyatt, Bangkok
DIATOMACEOUS EARTH—400 bgs, Mac-Lac Co, Liverpool
EGG ALBUMEN—200 cs, Stein Hall & Co, Genoa
200 cs, Viking Butter Co, Genoa
EPSOM SALT—720 bgs, Interstate Chemical Corp, Bremen
ERGOT—20 dms, Parke, Davis & Co, Leixoes
EUCALYPTUS LEAVES—5 bls, National City Bank, Sydney
5 dms, Lo Curto & Funk, Kobe
17 dms, National Bank of Australia, Melbourne
24 dms, Commercial Banking Co of Sydney, Melbourne
24 dms, Melbourne
FENNEL SEED—50 bgs, Pasquale Bros, Palermo
80 bgs, Marseille
FISHLIVER OIL—2 dms, J D Smith Interocean Co, Yokohama
6 dms, H A Gogarty, Yokohama
5 dms, Strong, Cobb & Co, Yokohama
FUEL OIL—141,761 bbls, Asiatic Petroleum Corp, Curacao
120,060 bls, Esso Export Corp, Aruba
2,000 bbls, Shell Oil Co, Curacao
107,159 bbls, Paragon Oil Co, Punta Cardon
GALL OX—6 bbls, Tupman Thurlow, Havana
5 trcs, Armour & Co, Montevideo
GERANIUM OIL—2 dms, Polak Frutal Works, Marseilles
GINGER ROOT—105 bgs, S B Penick & Co, Kingston
100 bgs, Mincing Trading Corp, Kingston
90 bgs, Murwal Inc, London
GLUE—26 bgs, Corbett & Co, Marseilles
300 bgs, Jung Forwarding Co, Liverpool
STOCK—270 bdls, John Gorvers, Barranquilla
GLYCERIN—40 dms, C J Schellings & Co, Bombay
82 dms, R P Casado, Havana
120 dms, L Pasternak Co, Hull
GRAPHITE—500 bgs, Joseph Dixon Crucible Co, Colombo
GUAIACWOOD OIL—34 cs, Dodge & Olcott, Buenos Aires
10 cs, C Tennant Sons & Co, Buenos Aires
GYPSUM—20,512 tons, U S Gypsum Co, Hantsport
9,146 tons, National Gypsum Co, Dingwall
2,520 tons, Newark Plaster Co, Walton
IRON OXIDE—4,000 bgs, Herlan Mdse Corp, Casablanca
INFUSORIAL EARTH—786 bgs, A Giese & Son, Hamburg
IODINE, CRUDE—160 kgs, International Fertilizer & Chemical Corp, Yokohama
POWDER—91 dms, General Aniline Works, Rotterdam
KARAYA GUM—61 bgs, Wessel Duval & Co, Bombay
66 bgs, East Asiatic Co, Bombay
134 bgs, Stein Hall & Co, Bombay
KIESELGUHR — 100 bgs, Gillespie-Rogers-Pyatt, Liverpool
1,650 bgs, Johns Manville Corp, Bordeaux
LAVENDER OIL—1 dm, Naugatuck Aromatics, Marseilles
LEATHERMEAL—1,500 bgs, H J Baker & Bro, Hull
LEMON OIL—8 hlf cs, Citrus & Allied Essential Oils, Messina
LEMONGRASS OIL—2 dms, Fritzsche Bros, Cristobal
6 dms, W J Bush & Co, Cristobal
LICORICE ROOT—236 bls, Chemical Bank, Izmir
125 bgs, Chemical Bank, Izmir
LOCUSTBEAN GUM—105 bgs, Morningstar Nicol, Liverpool
100 bgs, Tamarco Perez & Co, Barcelona
MACE—78 cs, Macassar
MANDARIN OIL—3 hf cs, Citrus & Allied Essential Oils, Messina
20 cs, Citrus & Allied Essential Oils, Naples
4 cs, Fritzsche Bros, Itajai
MANGROVE BARK—759 bgs, Olson Sales Agency, Lourenco Marques
2,710 bgs, Marcel Calvet, Bahia
MENTHOL—25 cs, Lo Curto & Funk, Yokohama
40 cs, Bristol Meyers Co, Yokohama
MENUKELIVER OIL—2 dms, Consumers Import Co, Yokohama
MERCURY OXIDE, RED—5 cs, Southampton
METACRESOL—35 dms, H A Gogarty, Liverpool
MILK POWDER—400 bgs, Public National Bank, Gothenburg
1,293 bgs, Chase National Bank, Rotterdam
1,000 bgs, J H Hobson, Gothenburg
MONTAN WAX—2,046 bgs, Stronmeyer & Arpe, Hamburg
MUCILIN OIL—2 cs, American Express Co, Manchester
MUSTARD OIL—8 cs, Schimmel & Co, Hamburg
SEED—200 bgs, Armaren Trading Corp, London
MYROBALANS—1,060 bgs, Barkey Importing Co, Bombay
401 bgs, Manufacturers Trust Co, Bombay
POWDER—400 bgs, Tanimex Corp, Hull
NAPHTHALENE—320 bgs, Gallard Schlesinger, Liverpool
1,143 bgs, American Cyanamid Co, Liverpool
NICKEL CHLORIDE—18 cks, Industrial Raw Material Corp, Liverpool
SULPHATE—50 cks, Hudson Shipping Co, Hamburg
25 cks, Brown Bros, London
100 bgs, American Firstoline Corp, Antwerp
NUCLEIC ACID—2 cks, Hensel, Bruckmann & Lorbacher, Rotterdam
NUTMEGS—68 bgs, Public National Bank, Macassar
68 bgs, J H Schroder, Macassar
OLIVE OIL—50 dms, B Fillippone & Co, Marseilles
150 dms, Gem Packing Corp, Marseilles
75 dms, Credit Suisse, Marseilles
100 dms, Leghorn Trading Co, Marseilles
ORANGE OIL—3 dms, Lo Curto & Funk, Marseilles
ORTHOCRESOL—1 cs, H A Gogarty, Liverpool
OURICURY WAX—111 bgs, Corn Exchange Bank, Rio de Janeiro
PALMAROSA OIL—1 dm, Volkart Bros, Bombay
PAPAIN—12 cs, Chas L Huisking & Co, Colombo
92 hf chts, Chas L Huisking & Co, Colombo
PAPRIKA—400 bgs, M J Golombeck, Rotterdam
PARACHLOROMETACRESOL—50 kgs, Karr Ellis Co, Liverpool
PEATMOSS—2,075 bls, Premier Peatmoss Corp, Bremen
3,874 bls, J E Bernard, Bremen
1,000 bls, E J Lang, Bremen
375 bls, Lewis Intern Corp, Bremen
1,500 bls, Atkins & Durbrow, Bremen
PEPPER, BLACK—80 bgs, Joensson & Cross, Halifax
80 bgs, Joensson & Cross, Bombay
560 bgs, Internatio Rotterdam, Cochin
240 bgs, A G Dunn, Cochin
480 bgs, Virchand Panachand, Cochin
160 bgs, East India Trading Co, Colombo
160 bgs, Otto Gerdau, Colombo
80 bgs, M Rothschild & Co, Cochin
160 bgs, Otto Gerdau, Cochin
560 bgs, Volkart Bros, Cochin
80 bgs, B C Ireland, Oosthaven
80 bgs, A G Dunn, Oosthaven
80 bgs, Holland Colombo Trading Society, Colombo
80 bgs, Wolmet Raw Produce Co, Cochin
80 bgs, Brown Bros, Cochin
400 bgs, Bank of America, Cochin
1,000 bgs, Mincing Trading Corp, Cochin
480 bgs, East India Trading Co, Cochin
360 bgs, A C Israel, Cochin
360 bgs, M Golodetz, Cochin
500 bgs, Joensson & Cross, Cochin
222 bgs, W L Willner Co, Beirut
WHITE—28 bgs, Blue Fries N Y Inc, Singapore
60 bgs, Singapore
PETROLEUM, CRUDE—200,000 bbls, Esso Standard Oil Co, Puerto La Cruz
203,740 bbls, Esso Standard Oil Co, Cartagena
199,610 bbls, Esso Standard Oil Co, Amuay Bay
120,000 bbls, Socony Vacuum Oil Co, Puerto La Cruz
53,059 bbls, Shell Oil Co, Curacao
PIMENTO BERRIES—150 bgs, C T Wilson, Kingston
LEAF OIL—1 dm, E McKenzie Corp, Kingston
1 dm, Fritzsche Bros, Kingston
POLLACKLIVER OIL—50 dms, Albumina Supply Co, Yokohama
80 dms, Interocean Chemical & Minerals Corp, Yokohama
250 dms, Consumers Import Co, Yokohama
150 dms, H A Gogarty, Yokohama
25 dms, Wilbur Ellis Co, Yokohama
125 dms, Maxim Chemical Co, Yokohama
50 dms, J D Smith Interocean Co, Yokohama
POPPY SEED—647 bgs, American Express Co, Istanbul
333 bgs, Istanbul
POTASSIUM PERCHLORATE—280 dms, Charles Hardy, Havre
POTATO STARCH—400 bgs, Manco Intern Corp, Rotterdam
PROPARGYL ALCOHOL—17 dms, General Aniline Works, Rotterdam
PSYLLIUM SEED—892 bgs, S B Penick & Co, Bombay
QUEBRACHO EXTRACT—1,818 bgs, International Products Corp, Buenos Aires
QUICKSILVER—100 flks, Chase National Bank, Tampico
QUININE SULPHATE—18 cs, Bank of N Y, Yokohama
SULPHATE—3 bxs, W R Grace & Co, Arica
RESIN, SYNTHETIC—361 bgs, F L Kraemer, London
RESINOIDS—1 cs, Verona Chemical Co, Marseille
ROSEMARY LEAVES—70 bls, Lisbon
RUTILE SAND—2,000 bgs, Bank of New South Wales, Brisbane
1,122 bgs, British Metal Corp, Brisbane
SAFFRON—1 cs, Galvanoni & Nevy Bros, Genoa
SAGO FLOUR—274 bgs, Stein Hall & Co, Singapore
219 bgs, H E Dolan, Singapore
549 bgs, National Starch Products, Singapore
163 bgs, R Lenoard, Singapore
SANDALWOOD OIL—2 cs, Magnus Mabee & Reynard, Rotterdam
SEEDLAC—450 bgs, Mantrose Corp, Calcutta
100 bgs, P N Rowe, Calcutta
600 bgs, C H Timm, Calcutta
200 bgs, Internatio Rotterdam, Calcutta
200 bgs, Suhr & Bundelman, Calcutta
200 bgs, Gillespie-Rogers-Pyatt, Calcutta
100 bgs, Haeuser Shellac Co, Calcutta
600 bgs, Wm Zinsser & Co, Calcutta
200 bgs, Dings & Schuster, Calcutta
100 bgs, Capitol Shellac Corp, Calcutta
200 bgs, Schwab Bros, Calcutta
SENNA LEAVES—66 bls, S B Penick & Co, Tuticorin
25 bls, Meer Corp, Tuticorin
55 bls, Max Van Pels, Tuticorin
SESAME SEED—40 bgs, Louis Furth, Cristobal
1,334 bgs, Independent Halava & Candies, Cristobal
SHARKLIVER OIL—10 dms, Silmo Chemical Corp, Yokohama
27 dms, Arista Oil Products Co, Yokohama
50 dms, Van Gelder Fanto Corp, Yokohama
75 dms, H A Gogarty, Yokohama
55 dms, Consumers Import Co, Yokohama
SHELLAC—50 bgs, Colony Import & Export Corp, Calcutta
700 bgs, P N Rowe, Calcutta
300 bgs, Ralli Bros, Calcutta
300 bgs, Wm Zinsser & Co, Calcutta
SILVER FIR OIL—4 dms, Fritzsche Bros, Hamburg
SODIUM PERBORATE TETRAHYDRATE — 200 dms, Chemical Mfg Co, Liverpool
SPERMACETI WAX—200 ctns, Glasgow
STARCH—1,200 bgs, Haberland Man Co, Rotterdam
SULPHAMETHAZINE—2 cks, American Roland Corp, Copenhagen
SULPHOSALICYLIC ACID—4 kgs, Chase National Bank, Southampton
SUMAC LEAVES—100 bls, Olson Sales Agency, Palermo
TALC—1,300 bgs, Charles Mathieu, Genoa
TANNIC ACID—59 kgs, American Dyewood Co, Glasgow
TANNING EXTRACT—1,000 bgs, Leghorn
1,635 bgs, Naples
TAPIOCA—1,417 bgs, Stein Hall & Co, Itajai
TONKA BEANS—249 dms, Guaranty Trust Co, Puerto Cabello
TRAGACANTH GUM—39 cs, V Simidian & Co, Beirut
TUNALIVER OIL—3 dms, Consumers Import Co, Yokohama
UREA—2,000 bgs, Chemical Mfg Co, Liverpool
VALONIA CUPS—3,354 bgs, Chemical Bank, Izmir
410 bgs, Izmir
VANADIUM CONCENTRATES—1,559 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—25 cs, Thurston & Braidich, Marseilles
25 cs, George Lueders & Co, Marseilles
11 cs, Frank Tea & Spice Co, Marseilles
42 cs, J Manheimer, Djakarta
VARNISH—12 cs, Bluefries N Y Inc, Rotterdam
VEGETABLE WAX—50 cs, Strohmeyer & Arpe, Kobe
WATTLE EXTRACT—11,601 bgs, River Plate Import & Export Corp, Durban
WHITING—1,120 bgs, Smith Chemical & Color Co, Hull
WOLFRAM ORE—120 bgs, Wah Chang Corp, Bangkok
210 bgs, Bangkok
100 bgs, Lisbon
WOOL GREASE—128 dms, N I Malmstrom, Manchester
29 dms, Croda Inc, Manchester
11 dms, N I Malmstrom, Liverpool
39 dms, N I Malmstrom, London
54 dms, Gallard Schlesinger, Hamburg
69 dms, N I Malmstrom, Kobe
55 dms, Gallard Schlesinger, Antwerp
30 bbls, Genoa

Baltimore

ARSENIC—36 bbls, Minera Asarco, Tampico
COCONUT OIL—424 tons, Lever Bros, Manila
PEATMOSS—1,255 bls, Halfmoon Mfg & Trading Co, Rotterdam

Boston

GLUE, PEARL—200 bgs, National Shawmut Bank, Antwerp
PEATMOSS—300 bls, Halfmoon Mfg & Trading Co, Rotterdam

Norfolk

LOCUSTBEAN GUM—40 bgs, T M Duche & Sons, Rotterdam
PEATMOSS—400 bls, W M Stone, Bremen
POTATO STARCH—200 bgs, American Key Products, Rotterdam

Los Angeles

BONEMEAL—1,102 bgs, Atkins Kroll & Co, Hamburg
CARAWAY SEED—50 bgs, Antwerp
CASTOR OIL—225 pkgs, Pacific Vegetable Oil Co, Bombay
CHILLIES—100 bgs, O G Innes Corp, Singapore
COPRA—500 long tons, Vegetable Oil Products Co, Siain
50 dms, Barclay & Co, Kobe
COTTONSEED MEAL—2,050 bgs, Pacific Vegetable Oil Corp, Buenos Aires
DAMMAR GUM—35 bgs, O G Innes Corp, Singapore
IRON OXIDE—76 bgs, L H Butcher Co, Rotterdam
MAGNESIUM SILICOFLUORIDE—40 dms, Rotterdam
273 dms, Braun Corp, Hamburg
MILK POWDER—800 ctns, Western Dairy Products, Inc, Rotterdam
913 crts, Antwerp
MONOSODIUM GLUTAMATE—100 cs, Bank of Calif National Assn, Yokohama
NAPHTHALENE—1,089 bgs, Carnegie Chemical Mfg Co, Rotterdam
PAPRIKA—500 bgs, Consolidated Grocers Corp, Rotterdam
150 bgs, Hiscomo American Co, Rotterdam
PEANUT MEAL, EXPELLERS—997 bgs, Atkins Kroll & Co, Buenos Aires
PEATMOSS—1,100 bls, Wilbur Ellis Co, Bremen
1,000 bls, John Schumacher Co, Bremen
2,250 bls, E J Lang, Bremen
1,000 bls, Pacific Wax & Trading Co, Bremen
300 bls, Plant Food Corp, Bremen
500 bls, Van Waters & Rogers, Inc, Bremen
2,500 bls, Appiby & Co, Inc, Bremen
250 bls, Atkins Kroll & Co, Bremen
1,000 bls, Bank of Calif National Association, Rotterdam
500 bls, Bowsoilife, Rotterdam
PIMENTO—50 bgs, Joensson & Cross, Rotterdam
100 bgs, Farmer Brothers Coffee Co, Rotterdam
25 bgs, Ankers Meat Co, Rotterdam
65 bbls, Evans Honey Co, Rotterdam
PEPPER, BLACK—20 bgs, H M Beausire, Singapore
POLLACKLIVER OIL—50 dms, Consumers Import Co, Otaru
145 dms, Wilbur Ellis Co, Otaru
RAPESEED—400 bgs, Catz American Co, Rotterdam
RED EARTH—900 bgs, Frank D Davis, Rotterdam
SHARKLIVER OIL—25 dms, Consumers Import Co, Otaru
SUNFLOWER SEED MEAL—2,057 bgs, Pablo Hadro, Buenos Aires
980 bgs, Buenos Aires
9,256 bgs, Montevideo
TARTARIC ACID—10 cks, Getz Brothers & Co, Montevideo

Philadelphia

ARABIC GUM—500 bgs, Phila National Bank, Port Sudan
ASBESTOS FIBER—600 bgs, Bankers Trust Co, Lourenco Marques
BONEMEAL—6,675 bgs, Corn Exchange Bank, Antwerp
2,183 bgs, Chemical Bank, Bombay
1,099 bgs, Genoa
CASEIN—500 bgs, Bank of N Y, Montevideo
CRESYLIC ACID—80 dms, Bank of New South Wales, Sydney
CUTTLEFISH BONE—175 cs, Bordeaux
FISHMEAL—2,000 bgs, Bank of California, Walvis Bay
2,000 bgs, Corn Exchange Bank, Casablanca
FLUORSPAR—510 tons, Corn Exchange Bank, La Coulette
GLUESTOCK—839 bgs, Chemical Bank, Istanbul
GRAPHITE—100 bgs, C Pettinos, Colombo
GYPSUM—6,174 tons, U S Gypsum Co, Hantsport
LICORICE ROOT—3,718 bls, McAndrews & Forbes, Taranto
MANGANESE ORE—485 tons, N Y Trust Co, Auckland
MILK POWDER—3,280 bgs, Rotterdam
MUSTARD SEED—200 bgs, Amaren Trading Co, London
400 bgs, London
PEATMOSS—600 bls, Harris Trust Co, Bremen
PETROLEUM, CRUDE — 100,958 bbls, Gulf Oil Corp, Mena Al Ahmadi
310,778 bbls, Gulf Oil Corp, Puerto La Cruz
111,551 bbls, Socony Vacuum Oil Co, Covenas
198,837 bbls, The Texas Co, Puerto La Cruz
POTATO STARCH—2,000 bgs, Morningstar Nicol, Rotterdam
RUTILE SAND—3,000 bgs, H Gardner & Co, Sydney
4,000 bgs, E S & A Bank, Brisbane
3,002 bgs, Chase National Bank, Brisbane
2,000 bgs, Girard Trust Co, Brisbane
2,600 bgs, Foote Mineral Co, Brisbane
SHELLAC—100 bgs, Colony Import Co, Calcutta
SUMAC LEAVES—199 bls, Hanover Bank, Palermo
96 bls, Druiding Bros, Palermo
VARNISH—7 cs, Blue Fries N Y Inc, Amsterdam
WHITING—4,600 bgs, Pluess Staufer, Antwerp
ZIRCON SAND—10,000 bgs, Bank of New South Wales, Brisbane
15,312 bgs, J W Hampton jr, Brisbane

San Francisco

CALCIUM CHLORIDE—200 dms, C M C Chemicals, Manchester
CARAWAY SEED—100 bgs, East Asiatic Co, Rotterdam
100 bgs, Lagendorf Bakery, Rotterdam
CASSIA—50 bls, Internatio Rotterdam, Tandjong Priok
CASTOR BEANS—1,740 bgs, Manta
COPRA—250 tons, El Dorado Oil Works, Legaspi
250 tons, El Dorado Trading Co, Tabaco
500 tons, El Dorado Oil Works, Romblon
323 tons, Balfour Guthrie, Cebu
500 tons, El Dorado Oil Works, Cebu
800 tons, Cargille, Inc, Iloilo
100 tons, El Dorado Oil Works, Zamboanga
300 tons, Atkins Kroll & Co, Zamboanga
200 tons, El Dorado Oil Works, Jolo
MEAL — 89 tons, Pacific Vegetable Oil Corp, Manila
COTTONSEED MEAL—295 tons, Wilbur Ellis Co, Buenos Aires
590 tons, Buenos Aires
CREOSOTE OIL—650 tons, Bernuth, Lembeke Co, Middlesbrough
138 tons, Bernuth, Lembeke Co, Vlaardingen
EUCALYPTUS LEAVES—42 bls, Nassau Chemicals, Melbourne
FISHMEAL—50 tons, W R Grace & Co, Chimbote
37 tons, W R Grace & Co, Callao
20 tons, Balfour Guthrie, Callao
2,513 bgs, Talcohuano
GALENA—103 tons, American Smelting & Refining Co, Manila
GYPSUM—9,626 tons, Kaiser Gypsum Co, San Marcus
LINSEEDMEAL—1,152 bgs, Balfour Guthrie, Yokohama
MEATMEAL—6,986 bgs, Balfour Guthrie, Montevideo
1,100 bgs, Albumina Supply Co, Rotterdam
2,435 bgs, Tupman Thurlow, Buenos Aires
MILK POWDER—429 bgs, Delrey Co, Rotterdam
50 cs, Keerdyk Trading Co, Rotterdam
500 bgs, Hobson Co, Gothenburg
OLIVE OIL—170 dms, A Giurlani & Bro, Genoa
100 dms, Parodi Eriminio & Co, Genoa
75 dms, De Bernardi & Co, Genoa
100 dms, De Bernardi & Co, Marseilles
50 dms, Parodi Erminio & Co, Marseille
OURICURY WAX—60 bgs, J W Hanson & Co, Rio de Janeiro
56 bgs, J W Hanson & Co, Bahia
PAPRIKA—50 bgs, H M Newhall & Co, Cristobal
PEANUTMEAL—95 tons, Pacific Vegetable Oil Corp, Buenos Aires
PEATMOSS—1,000 bls, Pacific Wax Trading Co, Rotterdam
300 bls, F Lagomarsino & Sons, Bremen
PEPPER, BLACK—100 bgs, Joensson & Cross, Rotterdam
46 bgs, B C Ireland, Tandjong Priok
183 bgs, Hamburg
WHITE—32 bgs, Mincing Trading Corp, Singapore
PETROLEUM, CRUDE—110,092 bbls, Standard Oil Co, Sungei Pakning
114,483 bbls, Standard Oil Co, Ras Tanura
QUEBRACHO EXTRACT—334 bgs, River Plate Import & Export Corp, Buenos Aires
500 bgs, International Products Corp, Buenos Aires
SUNFLOWERSEED MEAL—259 bgs, Montevideo
738 tons, Harper Robinson & Co, Buenos Aires
TANKAGE—98 tons, International Packers, Ltd, Montevideo
TRICHLOROETHYLENE—14 dms, C M C Chemicals, Vancouver
TANKAGE—2,512 bgs, Tupman Thurlow, Buenos Aires
4,369 bgs, Balfour Guthrie, Montevideo
3,200 bgs, H J Baker & Bro, Rotterdam
UREA—400 bgs, Atkins Kroll & Co, Rotterdam
WOOL GREASE—100 dms, N I Malmstrom, Vancouver
100 dms, Getz Bros & Co, Hamburg
YERBA MATE—21 bgs, J G Dreyfuss, Buenos Aires

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OPS Appoints Nelson Top Economic Adviser

Gardner Ackley resigned August 26 as economic adviser to the Office of Price Stabilization and was succeeded by Saul Nelson, his deputy. Mr. Ackley will return to the University of Michigan, where he is professor of economics.

Mr. Nelson has been with OPS since January, 1951. Previously he was with the Economic Cooperation Administration, serving as chief of the Germany-Austria branch. He has been succeeded as deputy economic adviser by Franz B. Wolf, who was editor of the Research Institute of America for eight years before joining OPS in March, 1951.

OIT Eases Filing Rules

Applications for licenses to export aluminum powder, paste and foil now may be filed at any time with the Office of International Trade. These aluminum products previously were covered by the Controlled Materials Plan and applications for export licenses were required to be filed within a specified period in each quarter. This requirement has now been dropped because aluminum powder, paste and foil have been removed from the commodities under CMP.

Rubber Buying Curbs Lifted

Restrictions on the purchase of cold government-produced synthetic rubber were removed August 29 by the National Production Authority. The action was taken at the request of the Reconstruction Finance Corporation because present RFC inventories, plus new facilities coming into production, will put supply and demand in approximate balance, it was stated.

Magnus Sales Post to Olson

P. C. Magnus, president of Magnus, Mabee & Reynard, Inc., New York, has announced the appointment of Harold A. Olson to the MM&R Chicago sales staff. Mr. Olson will serve in the mid-western territory under A. R. Jensen, general manager of MM&R's Chicago office.

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EXTRACTS SYRUPS COMPOUNDS TINCTURES RESINS

Botanical Drugs, Spices, Gums

The trend of prices in the botanical market was mainly upward last week. Out of thirty-nine changes, twenty-three were advances and sixteen were declines. The reductions came mainly in flavoring botanicals but the advances divided fourteen drugs and nine condimentals. The market index rose 0.07 point to reach 100.45.

From the standpoint of available supplies and the cost of replacement stocks, the basic position of the market was one of considerable strength. Given a revival of anything like a normal demand, especially for drug items, prices should undergo substantial advances because even now there are many drugs in exasperatingly low supply. The future of movement of prices would appear to hang solely on the needs of buyers. After two years of rather lean sales volume, it is not illogical for dealers to think that consumer inventories have reached a point where replacement buying would be indicated.

Further information with respect to the crop situation in the domestic primary market has been received. The added information was as follows:—

"We desire to say that . . . this section and sections we draw from have had a serious drought this gathering season. It has reduced our receipts to about one-half of what they were last season. The demand from the drug trade has been exceedingly light and we do not know if they are holding off for lower prices or not. If that is the case, we are of the opinion they will pay considerably more than present prices when they do come into the market. There have been a few of our customers who are far-sighted and are now beginning to make inquiries and are beginning to order in a moderate way."

With respect to small production, not a single dissenting view has been received. Dealer inventories in October seem doomed to be the smallest in many years and consumers who do not make their needs known now to their suppliers are taking a gamble that stocks will be available when wanted. And the odds against them are very long.

Market Trends

Prices Advanced

Drugs

Cocillana bark, 3c. per lb.
Colombo root, later arrival, 11c. per lb.
Ginger root, Jamaica No. 3, 1c. per lb.
Jaborandi leaves, 2c. per lb.
Licorice root, natural, 1c. per lb.
five-lb. bundles, 10c. per lb.
powder, 1c. per lb.
Senna leaves, Alexandrian, 4c. per lb.
siftings, 4c. per lb.
T.V., No. 2, 1c. per lb.
No. 3, 2c. per lb.
pods, 15c. per lb.
Soap bark, whole, 3c. per lb.
crushed, 1c. per lb.

Other Articles

Anise, Mexican, 1c. per lb.
Cassia, Batavia, longstick, 1c. per lb.
Saigon, broken, 1c. per lb.
Celery seed, French, 3c. per lb.
Cumin seed, Syrian, ¼c. per lb.
Marjoram, French, 2c. per lb.
Poppy seed, Dutch, ½c. per lb.
Turmeric root, Alleppey, ½c. per lb.

Prices Reduced

Drugs

Hyssop leaves, 2c. per lb.

Other Articles

Anise, Turkish, ½c. per lb.
Cardamom, bleached, bold, 15c. per lb.
medium, 10c. per lb.
decorticated, Guatemalan, 10c. per lb.
Celery seed, Indian, ½c. per lb.
Clove, Madagascar, 1c. per lb.
Cumin seed, Indian, ½c. per lb.
Mace, West Indian, 1c. per lb.
Nutmeg, East Indian, 1c. per lb.
splits, 1c. per lb.
West Indian, ½c. per lb.
Pepper, black*, spot, 15c. per lb.
white, 8c. per lb.
Poppy seed, Turkish, ½c. per lb.
Sage, Cretan, ½c. per lb.
Syrian, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Aug. 31, 1951
100.45	100.38†	99.16	116.31

* Obtained too late for index calculation.
† Revised.

(For Current Prices see Page 9)

Balsams

Peru—Activity on the part of buyers was confined to the purchase of limited quantities on a hand-to-mouth basis. Competition was quite active but not sufficient to bring about an open reduction in local quotations.

Tolu—Gradually all dealers adopt an easier and lower view on spot prices. One recently asking $4.60 per pound dropped to the basis of $4.45 last week. Meanwhile, the minimum of spot quotations was still $4.40 and the range still touched $5.90—though no sales were known to have been made at the top of the range.

Barks

Cocillana—Consumption during the next active season seems likely to show a rise and, consequently, most spot holders last week were taking a firmer to stronger view on both the immediate and the future position. Quotations were higher at 16c. to 17c. per pound.

Soap—Whole bark on spot was declared to stand at 28c. to 30c. per pound, being up from recently lower levels. Crushed material was up to 33c. to 34c. but powdered bark remained at 35c. to 37c. as to quantity and seller.

White Pine—The latest report concerning activity in the manufacture of furniture suggests a sharp rise in production and, consequently, a greater availability of white pine bark, usually the byproduct of furniture making. However, the season for lumbering is getting late. Prices remained steady last week at 17c. to 18c. per pound for good quality, well rossed bark.

Beans

Vanilla — The only surprising change noted last week was a report of a temporary shortage in Tahiti beans. It was declared that as high as $2.75 per pound had been obtained in transactions between dealers and that figure was above the prevailing Bourbon bean price at $2.65 to $3.25. However, the situation was believed to be purely temporary and certain to be liquidated once additional supplies arrive from the Tahiti origin. Bourbons and Mexicans showed no open change. The former seemed to be fairly steady but the latter was the subject of occasional shading under competition. However, whole beans at $3.50 to $3.75 per pound and cuts at $2.75 to $3 was said to be a fair expression of basic values.

Late in the week, one importer declared that bids he had made for some Bourbon beans had been rejected and replacement costs were advanced over levels recently prevailing. He also reported that he had experienced more consuming demand and that so far as he was concerned, the spot market was a deal firmer than it had been.

Flowers

Arnica—Top quality and strictly true arnica montana was very firm at 5c. to 66c. per pound regardless of the fact that immediate demand was rather light and consisted usually of small quantities to cover prompt needs. Replacement quotations were said to justify current quotations.

Chamomile—The outlook for a normal flow of flowers from Europe to this country was not propitious because of drought having hit the growing plants at a critical time. Most foreign sellers were loath to make firm offers and rather disposed to ask buyers here to make bids.

Gums

Arabic—The situation in the Near East certainly did not work in the direction of normal transactions. The whole area is beset with political troubles that have had some repercussions and may have more unless the troubles be resolved permanently. There has been less tendency toward competitive price shading on spot than had prevailed at times in the not distant past. Demand remained routine in character and size.

Tragacanth—This was another Near East gum to come under the influence of political upsets, rioting, change of governments, and the general uncertainty that such upheavals bring in their train. The situation was being watched closely by importers in this market.

Herbs and Leaves

Catnip—Further reports received from those collecting the 1952 crop indicate relatively unsatisfactory results to this time. In fact, the present outlook pointed toward probable shortage regardless of the increased pressure being put on gatherers to increase their deliveries to warehouses at the source. Since practically no carryover exists, nothing in the present situation suggests anything but probable advances in prices as the season advances.

Hyssop—Leaves were slightly lower at 50c. to 51c. per pound but the herb held very steady at 35c. to 36c. and in the ab-

For Late Market Developments, See Page 4

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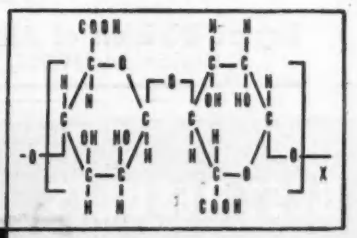

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sence of definitely competitive approach to the market at this time, herb seemed likely to remain in well maintained position.

Jaborandi—Lower prices have been removed from the market and during the past week the market seemed to be firmly based at 17c. to 18c. per pound, a moderate advance. Shipments from the origin have not been substantial for some time past.

Marjoram—Prices on French material were pinched higher last week and business of moderate size was possible only at an advance to the basis of 29c. to 29½c. per pound. Other varieties lacked quotable change and were subject mainly to jobbing demand.

Sage—Cretan and Syrian leaves were fractionally lower at 10c. to 10½c. per pound under light demand and considerable competition. Other varieties remained unchanged.

Senna—Reports from primary sources were usually bullish and spot quotations reflected the strengthening of prices at some origins. Political upheaval in Egypt made for stronger markets everywhere. From India came reports of an apparent crop failure. Some shippers of T.V., leaves were said to have had to default on contracts involving pods and a sharp rise in spot quotations eventuated. Requests for an extension of contracts on leaves were frequent. Spot quotations ended last week as follows:— Alexandria senna, 22c. per pound; siftings, 18c.; T. V., No. 1, 20c. to 21c.; No. 2, 18c. to 19c.; No. 3, 14c. to 15c; powder, 17c. to 18c. Senna pods, 35c.

Skullcap—Collection of both eastern and western material was declared to be far below normal with little chance of the shortage being overcome. Also, practically no stocks were reported being held over from last year. Most suppliers looked for higher prices when demand resumes.

Roots

Blood—Not a great deal of pressure has been exerted on diggers for the purpose of increasing their output of this root. Some dealers feel that the current stocks will be sufficient to meet the consuming needs that are apt to arise during the months ahead. However, spot prices were steady.

Colombo—Some suppliers declared that spot stocks had been about cleaned up and that root to arrive later on was to be had only around 22c. per pound. At least, it was said that the root was worth that price.

Helonias—Country prices have not eased in the least and with the collection season so far advanced, chances for getting production in a volume likely to bring about lower quotations have become rather dim.

Licorice—Slightly higher prices made natural licorice 9c. to 10c. per pound; 5-pound bundles, 50c. to 55c.; powdered root, 12c. to 13c. Also, the Near Eastern situation was not too favorable with respect to future shipments from some origins.

Senega—Undertones at the origin continued to be strong and the tendency toward further price advances was still present. Local quotations remained at $1.90 to $2 per pound, but that level was not expected to last unless rising prices in the primary market shall come to an end.

Turmeric—Alleppey root was fractionally higher at 10½c. to 11c. per pound. Madras root on spot remained at 9½c. to 10c. Haitian root has reappeared in local offerings, this time at 7¾c.

Seeds

Anise — Mexican seed was higher at 14½c. to 15c. per pound, but Turkish seed was shaded to 12½c. to 13c. Star anise was 69c. per pound, with only a single lot known to be unsold on spot at this time. Nor was any known to be afloat to New York.

Caraway — Some cables from Holland talked about a fractional rise in shipment prices. Dealers here awaited confirmation of a rise in replacement costs while holding spot quotations unchanged at 10c. to 10¼c. per pound.

Cardamom — Bleached seed recently afloat became a spot article last week at the lower price of $4.10 per pound for bold, and $3.30 for medium bold material. Also, decorticated seed from Guatemala was lowered to $2.70. Green cardamom remained unchanged.

Celery—French seed was advanced to 40c. per pound. Goods on a September steamer were quoted out at 37½c. Indian seed was shaded to 26½c. to 27c. when small stocks were replaced by some fair sized arrivals.

Poppy—Holland cabled a rise in shipment quotations last week and spot prices were advanced to 16½c. to 17c. per pound in company with the statement that the market probably will go higher when cabled prices are confirmed.

Spices

Cassia.—The only changes in price was an advance to 18c. to 18½c. per pound for Batavia longstick and a rise to 34c. to 36c. for broken Saigon.

Clove.—Spot quotations on Madagascar spice were down slightly to $1.27 to $1.28 per pound. Zanzibars held at $1.30.

The Zanzibar Clove Growers Association reported total exports in July-June, the seasonal year of 1951-1952, were 16,847,820 pounds, compared with 39,954,283 pounds in the corresponding period in 1950-1951. In 1951-1952, the purchases of Singapore and India accounted for 85.38 percent of the total. In 1950-1951, the same two countries took 76.90 percent of the total export. The takings of the top ranking five destinations out of a total of nineteen destinations were as follows:—

	Pounds	
	1951-52	1950-51
Singapore	8,697,785	19,965,455
India	5,685,868	10,758,654
United Kingdom	674,940	1,455,300
Indonesia	714,675	3,985,215
United States	413,400	471,400

Mace—West Indian material was raised to 88c. to 89c. per pound for whole and broken goods ranged less widely at 70c. to 72c. Siauw remained firm at $1 to $1.05.

Nutmegs—Prices eased back slightly. East Indians were reported at 35c. to 36c. per pound for whole and 34c. to 35c. for spits. West Indians, 30c. to 30½c.

Pepper—Satisfaction of contract commitments, in one way or another, took pressure off the spot market last week and resulted in a sharp decline in quotations. Around midweek, spot black pepper was down to $1.74 per pound; awaiting release, $1.69; September arrival, $1.57; August shipment, $1.50; September shipment, $1.47, and October shipment, $1.42. White pepper on spot was lower at $1.68.

Quotations on black pepper at noon, Friday, were as follows:—Spot, $1.70 per pound; awaiting release, $1.65; September arrival, $1.55; August shipment, $1.49 to $1.50; September shipment, $1.41; and October shipment, $1.35.

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Essential Oils, Other Aromatics

Last week found the essential oils and aromatic chemicals market in a somewhat healthier state than has been reported throughout the summer. Dealers saw a moderate improvement in the demand from consumers and they were of the opinion that the usual fall pick up was beginning. While most oils remained stable in price, there were several items which moved higher, generally reflecting an increase in the cost of replacement. These included cajeput, chamomile, dillweed, eucalyptus, lavandin, pimento berry and natural sassafras oils. Reductions occurred in the quotations for Mexican distilled lime, both East Indian and West Indian nutmeg and Dalmatian sage oils. For the most part, there were ample stocks of important oils. The price index was advanced 2.70 points to 173.15.

A number of European oils appeared to have been affected by adverse growing conditions. A serious drought was reported to have occurred in many areas with the result that that crops were smaller and of poorer quality than usual. Among the items which were affected were the French lavender and lavandin oils. Both were said to be rather short and prices asked for shipment were noticeably higher. French rose de mai oil was also short because of a late freeze during the growing season. Chamomile flowers were reported to have been quite disappointing this year and the yield of oil was small and not always of highest quality. Pimento berry oil was also found to have firmed up at the source.

Domestic oils were beginning to be offered by distillers, but high cost of labor and production has caused many sellers to demand more for their material. Thus, such items as spruce, sassafras, sweet birch, dillweed and spearmint have become somewhat stronger at the origin and observers believed that spot prices might soon reflect this strength.

Market Trends

Prices Advanced

Oil, cajeput, USP, 30c. per lb.
technical, 25c. per lb.
Chamomile, $25 per lb.
Dillweed, 10c. per lb.
Eucalyptus, 70-75%, 10c. per lb.
80-85%, 15c. per lb.
Lavandin, 30c. per lb.
Pimento berry, 5c. per lb.
Sassafras, natural, 10c. per lb.

Prices Reduced

Oil, lime, Mexican, distilled, 10c. per lb.
Nutmeg, East Indian, 40c. per lb.
West Indian, 10c. per lb.
Sage, Dalmatian, 25c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Aug. 31, 1951
173.15	170.45	179.62	219.28

(For Current Prices see Page 9)

Essential Oils

Anise—From all indications, this oil was dwindling to a point where there were only offers of a few drums left on the spot market. Prices have been steady at $1.85 to $2.35 per pound, but observers predicted that the market would soon be completely depleted. Replacements could not be brought in because of the embargo on Red Chinese ports and the problem will continue to be insoluble for as long as the Korean War continues.

Bay—Reports received by dealers from the West Indies have indicated that shippers were stiffening their prices for new material. The 55-60 percent grade was particularly firmer at the source. On spot, the item was unchanged in price.

Bergamot—It has been reported that there has been a tendency toward weakening in the shipping prices of this oil in Italy. While it continued to be a rather high-priced oil and none too plentiful, there was some relaxation in the market and observers predicted that there would follow a slight decline on the spot market. Last week, however, prices on spot continued unchanged.

Cajeput—Because of a shortage of other materials for which this oil can be substituted, dealers reported a sudden rise in interest in the oil. This has resulted in a sharp increase in the cost of the material at the origin. This has brought, in turn, a rise of 25c. per pound in the minimum spot quotation of technical grade to $2.50 per pound and an increase of 30c. in the price of the redistilled oil to $2.90 a pound.

Camphor—Sassafrassy oil was said to have picked up in interest lately. Prices remained unchanged at 26c. to 42c. per pound. Observers were inclined to believe that the increase in demand came because of the high price of ocotea cymbarum oil.

Cassia—Spot stocks of this Chinese oil were just about depleted, according to suppliers. However, the season of heavy consumption has ended and the demand has slackened. Quotations remained unchanged, though they were becoming only nominal.

Chamomile — An advance of $25 per pound was reported in the minimum spot quotation of this oil last week. It was quoted between $275 and $280 per pound. Reports from the growing areas have indicated that the flower crop was very poor this year, both in quantity and quality. As a result, the oil will be quite a bit more costly to produce.

Citronella—There has been no noticeable change in the soft situation surrounding this oil. There were abundant supplies available on spot and ample offers from most of the origins, particularly Formosa. Quotations on the local market were steady and slanted in favor of the consumer.

Clove—Leaf oil was said to be tightening a bit as a result of the increase in demand stimulated by the lack of the more desirable bud oil. A report on the clove crop situation has been received from the Zanzibar Clove Growers Association, indicating that the first part of the 1952-53 crop was being picked. The report also showed that the total crop for the 1951-52 season was considerably smaller than was that of the previous year. The United States ranked fifth in quantities imported, Singapore and India accounting for over 80 percent of the year's crop.

Dillweed—Spot quotations were increased 10c. per pound last week, making for a price range of $3.60 to $4.05 per pound. The new crop was now coming in and prices asked for replacement were slightly firmer. The demand continued to be brisk, with all orders being met.

Eucalyptus—Advances were reported in the market quotations for both 70-75 percent and 80-85 percent grades of this oil last week. The former was priced between $1.05 and $1.15 per pound, while the latter ranged from $1.25 to $1.50 a pound. These advances reflected a rise in the cost of replacement in most primary centers. The demand has been very active as the heavy consuming season is underway and it was felt that current stocks would not be large enough to comfortably cover the requirements. The next crop will not be ready until December, too late to take care of this year's needs.

Geranium—This market appeared to be quite stable. There were ample stocks available, according to the trade, but prices held firmly at unchanged levels. Bourbon oil could be had at $12.25 to $17.50 a pound, while the Algerian variety was quoted at $10.75 to $26 per pound. Demand was only moderate.

Lavandin—Recent reports from France have indicated that there has been a serious drought in the growing areas of this material. As a result, there was expected to be a sharp drop in the supply of oil from this year's crop. It was said that the cost of the oil at the origin has been rising steadily. On spot, some strengthening was evident when the minimum quotation rose 30c. a pound to $3 a pound. Supplies on spot were still rather ample and the firmness in France were not expected to have an immediate effect upon the local situation, according to observers.

Lavender—Like lavandin, this material was expected to grow tighter at the origin because of the drought which struck the growing areas this year. The crop was reported to be only about half the size of last year's. French shippers were not willing to offer the material except at rather high prices. The spot market was well-provided with material bought last year and prices held steady. It was not expected that the local market would feel the effect of the strengthening in France for some time to come.

Lemon—Domestic oil continued to be firm, though unchanged in price, ranging from $5.85 to $6 per pound, depending upon brand. The demand has subsided to some extent, but there continued to be some interest shown in the oil. According to importers, there was very little demand for the Italian oil at this time, because of the higher cost and uncertainty of quality of the oil.

Lemongrass—No change was reported

For Late Market Developments, See Page 4

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is this market during the past week. The price structure remained unchanged, though quite weak. Stocks were plentiful and replacements easily obtained from the origin.

Lime—Stocks of Mexican oil were said to have become fairly comfortable. This fact was reflected in the spot quotation which dropped 10c. per pound to range from $7.15 to $7.85 per pound. West Indian oil was steady, though also somewhat improved as to supply. Demand has decreased with the end of the heavy consuming period and the market should remain untroubled, at least until next spring.

Neroli—According to observers in the trade, this oil has been overproduced in France this year. This has resulted in a large supply available to this market and an expected declining price. On spot, however, the prices were still holding rather steady. It was reported that there has been a lack of interest in the oil at this time.

Nutmeg—A marked weakness was apparent in this market and prices dropped sharply during the past week. East Indian oil was reduced 40c. per pound to a low of $3.35 a pound, the lowest level achieved in two years. West Indian oil was also reduced, falling 10c. per pound to $3.15 a pound. Stocks were quite ample and replacements were freely offered from the sources. Demand has not been great, although a steady call did come from customary users.

Ocotea Cymbarum—No change has been noted in this market. The shipping price was still maintained by the price floor in existence in Brazil. This left the spot quotations rather rigid at 65c. to $1.05 per pound. With alternate oils, particularly camphor, S.G. 1.070, available at more favorable prices, buyers have shown little interest in the South American article.

Orange — No new developments were reported in this market during the past week. There were now comfortable stocks available and an abatement in the demand. Californian oil was quite ample at prices ranging from $1.75 to $2.75 per pound, according to producer. Floridian oil, while somewhat more limited, was available in fair quantities at prices of $1.75 to $2.25 per pound.

Pimento—Berry oil was found to be a bit stronger, reflecting additional firmness at the origin. The minimum spot quotation advanced 5c. per pound to $4.70 a pound. Leaf oil held steady at $2.55 to $2.85 per pound. Demand was moderately good and stocks adequate to meet the needs of consumers.

Rose—With Bulgarian oil hard to get and most uncertain as to quality, there has been a marked increase in the interest shown in the French rose de mai oil. The latter material was reported to be rather tight this year. The crop was short in northern Morocco, because of a freeze in the weather during May, and Morocco has become the principal source of the oil.

Rue—Dealers reported an increase in the replacement cost of this oil, which normally holds quite steady. This has brought an advance in some spot quotations, although the range of prices remained unchanged.

Sage—Dalmatian oil was lower by 25c. per pound last week at $9.25 per pound. It was reported that even lower offers were made in some quarters. The market has weakened to some extent. Supplies have been improved and demand has not been great. Spanish oil was steady and unchanged in price.

Sassafras—New crop has been offered from the country, but at advanced prices. This has influenced the spot market, which rose 10c. per pound to $1.90 to $2.20 per pound. A limited quantity was available, but it was adequate to cover the current requirements.

Spearmint—Although the new crop was beginning to come to the market, this item continued to be quite tight. The demand was still greater than the available supply. Prices have held extremely steady, ranging from $8 to $8.75 per pound. The new crop was reported to have been quite successful.

Spruce—Dealers reported that sellers in the country were taking a firmer view toward prices. The new crop was being quoted higher for shipment. On the spot market, the range of quotations was extended. It stood at $2.10 to $2.75 a pound.

Sweet Birch—Like many other domestic oils, this material has been advanced in the primary producing areas. Distillers have claimed higher costs of production. On spot, however, quotations were unchanged and dealers reported a rather light demand.

Turpentine—It has been reported that there has been a moderate advance in the raw material upon which this NF quality oil is based. Thus far this has not affected the pricing schedule of the oil, but observers were of the opinion that there might be some firmness in the offing.

Wormseed — The situation which has dogged this oil continued unabated. There was virtually no oil to be had on spot and no offers were available from the origin. The small remaining quantities which were still unsold, were priced at the extremely high level of $8.75 to $10.50 a pound. It is still many months until the new crop may be expected.

Aromatic Chemicals

Citronellol—With citronella oil still in a very weak condition, this derivative remained extremely easy. Prices held at the low level of $2.05 to $2.45 per pound and stocks were quite ample. Production was steady, and demand fairly active.

Coumarin—This was a quiet and stable market. Production was well-maintained and supplies were comfortable. No change has been noted in the pricing schedule, which ranged from $2.94 to $3.15 per pound, depending upon quantity and producer.

Hydroxycitronellal—Like all other derivatives of citronella oil, this aromatic was in a very easy position and quite abundant in supply. Prices were very favorable to the consumer, ranging from $5.80 to $6.30 per pound. A steady output was assured by the ready supply of oil, which was at the lowest level in many years.

Yara Yara—The market was without special feature. Manufacturers held good stocks of the aromatic and production was unhampered. Prices were stable at $2.25 to $2.65 per pound and a steady demand came from customary consumers.

Protective Coatings Materials

Price activity was quiet in this market last week. It was announced that the price schedules of several synthetics would go up this week.

There was no change in the levels of demand in the market for antimony oxide. The dry colors were not greatly changed by the recent price advances. Supplies were adequate for consumers needs. Lead pigments were relatively quiet. Prices held firm. Demand was still a little slow. There appeared to be some variance between the levels of activity found by different producers of zinc oxide. One producer reported a decided pickup, and another source stated that things continued to be the same as they had been since the steel strike.

The most significant news about synthetics was the price advance. Some producers hoped that a few of those resins which have not been profitable products would be put on an economic basis by the change in schedules. It was said that a slight pickup in alkyds was noticed, part of which was felt to be from more activity in industrial finishes. Consumers were apparently able to obtain more steel for their finished products now that the steel industry was getting back up to higher levels of production. Polyvinyl acetate was showing signs of picking up, but formal was running a little slower. Supplies of both were good. Urea-formaldehyde resins, like many other synthetics, were holding up better than expectations this summer, one source stated.

The general picture of natural gums was the same as previous weeks. Prices have remained steady, although business activity was slow. Importers looked for a buildup after Labor Day. Shellac prices were unchanged. The market was fairly quiet. Importers also looked for an improvement here after the holiday. Casein prices did not change last week. Importers were waiting for some action by the Department of Agriculture on importation quotas. The Department made no promise to change the existing limitations on casein. Supply of gypsum was reported to be good. Demand was normal.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Aug. 31, 1951
88.45	88.43	88.49	100.02

(For Current Prices see Page 9)

Prime Pigments

Antimony Oxide—There were no further changes in the price schedules and no particular change in the supply and demand relationship of the market. There was not too much activity for zinc oxide. Producers expected that this oxide would remain at a status quo for the next few weeks.

Black, Carbon—Daily average production of carbon blacks declined 4 percent in July, compared with June. Shipments of HAF grade increased sharply, returning to the level of the first quarter of 1952, according to the Bureau of Mines. Stocks increased 15,000,000 pounds during July. June exports were at the lowest level since 1949. Following is a comparative table (pounds):—

Production

	Furnace	Contact	Total
July, 1952.....	78,678,000	46,985,000	125,663,000
June, 1952.....	79,339,000	47,860,000	127,199,000
July, 1951.....	90,316,000	55,421,000	145,737,000
Jan.-July, 1952	615,021,000	349,059,000	964,080,000
Jan.-July, 1951	565,805,000	377,585,000	943,390,000

Shipments

	Furnace	Contact	Total
July, 1952.....	77,237,000	33,899,000	111,136,000
June, 1952.....	72,211,000	34,440,000	106,651,000
July, 1951.....	85,502,000	49,524,000	135,026,000
Jan.-July, 1952	561,775,000	263,118,000	364,325,000
Jan.-July, 1951	557,647,000	364,325,000	921,972,000

Stocks

	Furnace	Contact	Total
July, 1952.....	134,828,000	208,044,000	342,872,000
June, 1952.....	133,387,000	194,958,000	328,345,000
July, 1951.....	30,009,000	78,574,000	108,583,000
Jan.-July, 1952	134,828,000	208,044,000	342,872,000
Jan.-July, 1951	30,009,000	78,574,000	108,583,000

[1]Exports

	Furnace	Contact	Total
July, 1952.....	[2].....	[2].....	[2].....
June, 1952.....	8,323,000	9,444,000	17,767,000
July, 1951.....	13,295,000	23,194,000	36,489,000
Jan.-July, 1952	65,667,000	100,576,000	166,243,000
Jan.-July 1951	78,154,000	154,756,000	232,910,000

[1] From records of U. S. Dept. of Commerce.
[2] Not available.

Green, Chrome—There was little change in this market. Current quotations after the recent change in schedules for the CP material were 37c. per pound for 5-30 percent blue, in a range of 37c to 38c. per pound for 30-50 percent blue, and 40c. per pound for 50-60 percent blue.

According to the Bureau of Census, production of C.P. chrome green was 580 short tons in June, compared to 540 short tons in May, and 699 short tons in June of last year.

Lead Pigments—There has been no real change in the picture of this market. Producers reported that activity continued to be rather slow. Supplies were ample to take care of the immediate needs of consumers. Prices held firmly to their previously established levels. No changes in the schedules were anticipated.

Orange, Molybdated—Schedules were unchanged since the price rise of the previous week making all shades 44c. per pound. No further changes were anticipated.

Production in June was 216 short tons, according to the Bureau of Census. In comparison, May output was 212 short tons, and the figure for June of last year was 310 short tons.

Yellow and Orange Chrome—Supplies were adequate to take care of current needs. No changes were reported in these markets. The recent change in price held at 31c. per pound for the C.P. material, in all shades, for both yellow and orange colors.

The Bureau of Census reported that production of C.P. chrome yellows and oranges in June was 1,932 short tons, compared to 1,996 short tons in May, and 3,184 short tons in June 1951.

Yellow, Zinc—Prices held firm at the levels established the previous week. No changes were anticipated. The current quotation for zinc chromate was 25c. per pound. Basic material remained at 30c. per pound.

The Bureau of Census report showed that output of yellow zinc was 731 short tons in June, compared to 504 short tons in May, and 625 short tons in June a year ago.

Zinc Oxide—The picture of the market was most encouraging, according to one source. Demand was described as very good and it was expected that the current pickup in activity would continue. On the other hand, another producer indicated that there were no signs of a significant increase since demand fell off because of the steel strike. Supply was reported to be good in all quarters. There have been no further price revisions, and none were anticipated.

Synthetic Resins

One producer of urea-formaldehydes, melamines, alkyds, and maleics announced that a general increase "across the board" would be effective September 2. In other quarters in the trade it was said that similar increases would follow. However, one producer of phenolics indicated that no change was anticipated at the present time.

It was stated that the increases, which range from 10 to 15 percent, partially reflect increased costs of labor, containers and freight, but "basically the raise was due to the fact that resins have been selling at bargain-basement prices." Producers felt that they could no longer continue to sell resins below a profitable level. It was hoped that this increase would put some of these resins on an economic basis.

Alkyds—One producer announced that the schedules for alkyds and other synthetics would be advanced September 2, see preceding paragraphs above. Other sources indicated that the advances were long needed and would probably be met soon. One producer indicated that the need was particularly prominent in the schedules for these resins. It was said that they didn't pay their own way at previous levels.

Demand was described as fair. There has been some sign of a slight pickup, however it has not reached great proportions yet. It was added that industrial finishes were causing a little more action. This source felt that consumers were beginning to get steel for their products and things were looking a little better.

Phenolics—Although most resins were described as being in plentiful supply it was said that paraphenylphenol derived materials were quite tight because of the large D.O.'s issued for the material. Resins derived from this substituted

For Late Market Developments, See Page 4

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phenol are needed to meet Navy specifications and are also used to make aircraft primer.

It was said that most other resins were in good supply largely because producers capacities for production are up. For this reason, it was anticipated that there would not be too much difficulty in obtaining material unless the defense effort starts in full swing or some other significant factor changes the demand levels.

Polyvinyls—One source indicated that things would be quite good for the rest of the year. In fact, in comparing this year to 1951, it was said that the total would not be too far off, if buying keeps up as is indicated.

Producers said that consumer inventories appeared to be down now. This was indicated by the fact that customers wanted more material quicker. Immediate deliveries were asked for in most instances. It was said that consumers needed the material for new business.

The formal resins were running at a little slower pace. There has not been too much change in the levels of activity in the past four or five months. It was added that this market depends largely on electrical apparatus and therefore would not necessarily show increases in activity immediately. Supply was good for both the formal resins and the acetate.

Urea-formaldehyde — With regard to supply and demand, it was stated that this market has been holding up better than was expected this summer. The supply was adequate to take care of consumer needs. One producer reported that July and August were better months than they had originally anticipated. Demand was holding up well, and was expected to continue at the same levels. Prices were scheduled to advance in some quarters effective September 2, as mentioned above.

Natural Resins

There was little change in the levels of activity of the gums last week. Importers said that things continued to be rather quiet. Prices have held steady, it was expected that they would hold to their present levels. Some sources felt that there would be a pickup in buying after Labor Day. There was said to be a fair supply of most items. Supplies at the various sources seemed to be adequate for the current levels of activity.

Shellac—Prices remained firm in a relatively quiet market. Most importers felt that the price of shellac in the current market was a stumbling block to more business. It was added that a better volume of business is done when prices are lower. However, there was no indication that any price reductions were forthcoming.

Naval Stores

Rosin, Gum

(USDA, per 100 lbs.)

	Fri.	Mon.	Tues.	Wed.	Thur.
I	...	...	7.31*		
K	7.33*	...	7.15‡	7.35*	7.31†
M	...	...	7.32*		
N	...	7.38*	7.34*	7.38*	7.37*
WG	7.45*	7.45*	7.45*	7.18‡	7.07‡
WW, X	7.64*‡	7.60*	7.46*†	...	7.73*

Sales, USDA

816* 275* 1,066* 791* 1,266*

Savannah Exchange (per 100 lbs., dms.)

Receipts	12	142	99	...	...
Shipments	277	...	...	...	743
Stocks	9,074	9,216	9,315	9,315	8,572

New York

(per 100 lbs., c.l., Friday)

B-N $8.50, WG $8.60, WW $8.75.

Rosin, Wood

(USDA, per 100 lbs.)

FF	4.31*	4.15†	...	6.50*	6.50*

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	.53†	.53‡	.53‡	...	...
Sales	52,000‡	20,000‡	8,000†	...	...

Savannah Exchange (dms.)

Receipts	295	75	...	184	...
Shipments	198	9,213	...	248	665
Stocks	12,438	3,300	3,300	3,246	3,571

New York, Friday, per gal. 7 lbs., tankcars, 61c., l.c.l. 73c.

Turpentine, Wood, Steam Distilled

(USDA, per 7 lb. unit)

.43†	...	.464†	.49†	.49†

*Drums. †Tankcars. ‡Bags. §Gallons.

Miscellaneous Materials

Bentonite—Producers said that there has not been any significant change in the levels of activity in this market. Supply was good. There were no price changes, and none were anticipated. It was said, "there may have been a few more orders recently, but there wasn't anything you could call a pickup." Consumers were still working on a hand-to-mouth basis.

Casein—Prices remained steady last week as the final outcome of the situations influencing imported material continued to be uncertain. A group of importers met with Department of Agriculture officials recently to discuss the license quotas established by the Department. Importers said that their licenses were exhausted and they need increased quotas or should be allowed to use part of the quota allowed them during the second third of the fiscal year. Officials of the Department have said that they can change the limitations of various items listed from time to time, but they did not promise to do so for casein at present. What Argentine material was available, was quoted at 18¾c. to 19½c. per pound last week. New Zealand material was 23½c. to 24c. Material from Holland was from 23c. to 24c. per pound. Any French material still available was from 21c. to 22¾c.

Gypsum—Supply was reported as good. Demand was described as being normal, by one producer. There were no changes in the price schedules, and none were expected at this time.

Silica Gel—According to the Bureau of Census, production in June was 7,348 short tons, compared to 7,370 short tons, produced in May.

Metal Fabricators Due To Get Higher Ceilings

A general order permitting manufacturers who process copper, aluminum and steel to pass through at each stage of fabrication, the increases in ceiling prices recently authorized for these metals is being drafted by the Office of Price Stabilization, retiring price director Ellis Arnall stated August 27.

Advance announcement was made of the agency's intention because of the extraordinarily large number of inquiries for a statement of OPS policy on a pass-through of these price increases. The agency emphasized that specific inquiries cannot be answered until the formal order is issued. It will be made effective immediately upon issuance.

Mr. Arnall said that the forthcoming general order will permit the price increases for the three primary metals to be passed through at subsequent stages of fabrication without absorption and without the addition of any markup over the actual amount of the increases. This will, in effect, restore the operating position of each subsequent fabricator to the same level which he would have experienced if it had not been necessary to increase the ceiling prices for the basic metals.

The order is not intended to provide or permit any ceiling price adjustments for other changes in costs such as for labor, other materials, freight, etc.

Glidden Appoints Fowler To Canadian Sales Post

Appointment of James W. Fowler as industrial sales manager in Canada for the paint and varnish division of the Glidden Company, Cleveland, Ohio, has been announced by A. D. Duncan, vice-president and general manager of that division.

Mr. Fowler, who lives in Toronto, Glidden's Canadian headquarters city, will be responsible for the sales of the company's industrial finishes throughout Canada. The new sales manager joined Glidden as an industrial sales representative in 1939.

Rinshed-Mason Promotes 3

Rinshed-Mason Company has named William R. Barrett vice-president and general manager of its Detroit, Mich., plant. Lyle E. Barrett has been named to succeed Mr. Barrett as general sales manager, and William L. Vyn has been stepped up to sales manager of the industrial sales division.

Brazil Oiticica Names Agent

Brazil Oiticica, Inc., New York, has announced the appointment of E. B. McCullough Company, Houston, Tex., as exclusive sales agent in the territory including the cities of Beaumont, Corpus Christi, San Antonio, Austin and El Paso, Texas.

Synthane Adds Evert to Sales Staff

Synthane Corporation, Oaks, Pa., has announced that William J. Evert has assumed sales duties in its New York office and will handle accounts in the New York state, Long Island and Brooklyn areas. PAINT

Trade Briefs

Martin-Senour Company, Chicago, has appointed Edward J. Borst purchasing agent.

The Tall Oil Association has named Sterling Advertising Agency, New York, to handle its public relations program.

Dow Chemical Company, Midland, Mich., has retained Ethel Bright, nationally known authority on floral arrangements, as designer-consultant for its "Styrofoam" plastics.

Clay Output of Georgia Types Started by Cabot

Godfrey L. Cabot, Inc., Boston, has announced the production of air-floated and water-washed Georgia clay. Through the acquisition of the Georgia Pigment Company, Sandersville, Ga., the Cabot companies are now able to offer several grades of Georgia kaolin in commercial quantities for use in the paper and ceramic industries.

Plans include expansion of the Georgia company to provide a complete range of Georgia clays for use in the rubber and other industries. Cabot has already begun installation of improvements in the manufacturing facilities of the company, and is establishing a new technical control laboratory there. The Georgia Pigment Company will retain its name in the new Cabot operation. William W. Kingman will be general manager, and J. T. Houk will continue his sales activities.

Glyco Appoints Hathorne To Development Position

B. L. Hathorne has joined the staff of Glyco Products Company, Brooklyn, N. Y., in the capacity of assistant to the vice-president in charge of development. Mr. Hathorne recently resigned as manager of the auxiliary products division of the Geigy Company, New York, prior to which he was a consultant to the textile industry. He was formerly in charge of research and field development for the Tubize Chatillon Corporation.

Hercules Reassigns Four In Cellulose Products Dept.

Hercules Powder Company, Wilmington, Del., has announced four new appointments in its cellulose products department. James R. Yeager has been made manager of lacquer promotion in Wilmington. Named district sales managers were Philip F. Robb, in New York; Henry P. Grace, in Detroit, Mich., and Howard S. Lawton, in Cincinnati, Ohio.

Trigg Award Committee Named

The Federation of Paint and Varnish Production Clubs has appointed a five-man committee to select the winner of the 1952 Trigg award. The award, $25, established some years ago by Ernest T. Trigg, goes to the constituent club secretary whose minutes of meetings are deemed the best during the year. W. Victor Jones, of the Houston club of the federation, heads up the 1952 committee. Serving with him are J. J. Hughes, jr., of the southern club; J. W. Nee and H. C. Owens, both of the Houston club, and A. J. Ziegler, of the Dallas club.

Cabot Makes Kiesel Agent

Godfrey L. Cabot, Inc., Boston, has announced the appointment of Theodore C. Kiesel as exclusive agent for the sale of Cabot carbon blacks to the paint, ink, plastics and related industries in the southern and central Ohio, southern Indiana, and northern Kentucky areas. Mr. Kiesel's temporary address is P. O. Box 93, Pleasant Ridge Station, Cincinnati 13, Ohio. A permanent office address will be announced later.

Ziegler Names New Agents

G. S. Ziegler & Co., New York, has announced that, as part of the concern's sales expansion program, the following new representatives have been appointed:—Willard N. Swanson Company, Minneapolis and St. Paul, Minn.; the Taylor-Greenwald Company, Cincinnati, Ohio; Drew, Brown, Ltd., Montreal, Quebec, Canada, and James Haywood & Son, Toronto, Ontario, Canada. Drew, Brown and James Haywood will handle only Ziegler's line of gilsonites, while the remainder of the line will be handled by Harrisons & Crosfield, Ltd.

Trade Briefs

McDougall-Butler Company, Buffalo, N. Y., entertained employees and their families recently at the annual company picnic.

Pratt & Lambert, Inc., Buffalo, N. Y., held the annual picnic for employees of its Buffalo and Fort Erie plants recently at the Automobile Club, Clarence, N. Y.

Harry B. Fleming has severed his connection with the Factory Consumer Paint Corporation and its affiliate, United Paint & Varnish Company, Buffalo, N. Y., and has joined the staff of the Bisonite Company, as vice-president in charge of production and sales of the paint and varnish division.

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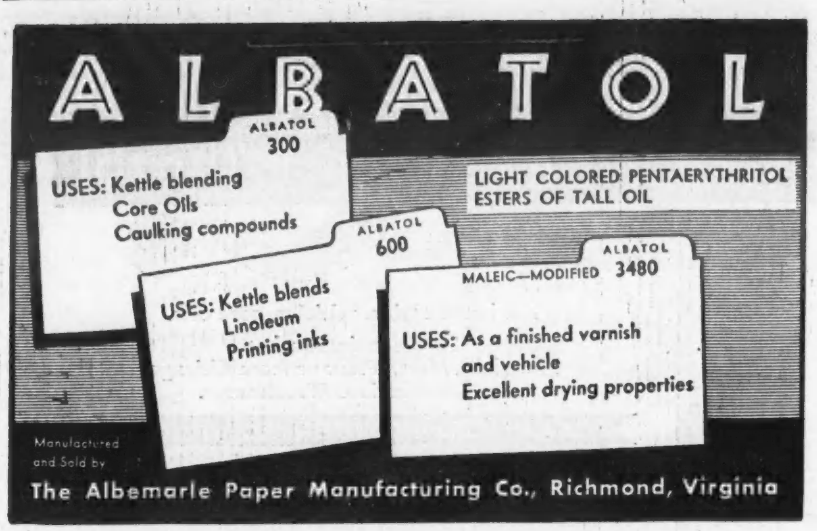

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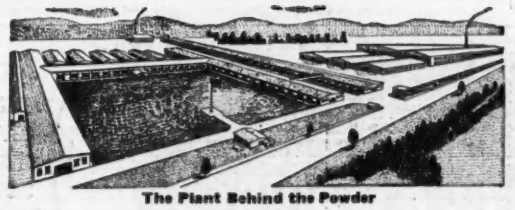

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OPD Forum

—Continued from page 36

below present production levels, or below such higher levels as the secretary may deem necessary in view of domestic and international conditions, or (b) interfere with the orderly domestic storing and marketing of any such commodity or product, or (c) result in any unnecessary burden or expenditure under any government price support program.

With respect to casein, the Secretary of Agriculture has determined that imports of 40,000,000 pounds during the year ended June 30, 1953, would not result in any of the three effects specified in section 104. It is believed, however, that imports in excess of this quota would be likely to result in one or more of the stated effects. The following factual information relating to the production and imports of casein was considered:—

1. US production of casein has sharply declined in recent months. For the period January through May, 1952, production totaled 4,435,000 pounds as compared to 10,625,000 pounds during the same period in 1951. The reduction in production is equivalent to 58 percent.

2. Stocks of casein held by driers on May 31, 1952, are reported at 4,000,000 pounds, a slight increase over stocks of 3,945,000 pounds held by dryers a year ago.

3. Imports of casein have been declining and totaled about 35,400,000 pounds during the year ended May 31, 1952. These imports were substantially less than the quantities authorized to be imported under Defense Food Order No. 3, which were based on imports of about 57,500,000 pounds during the year ended June 30, 1951.

4. Prices of domestic dry casein in New York City during late June, 1952, were reported at a range of 35c. to 37.5c. per pound for premium grade. Imported Argentine casein, 30-mesh acid type, was being offered in New York City on June 27 at 15c. to 16.5c. per pound.

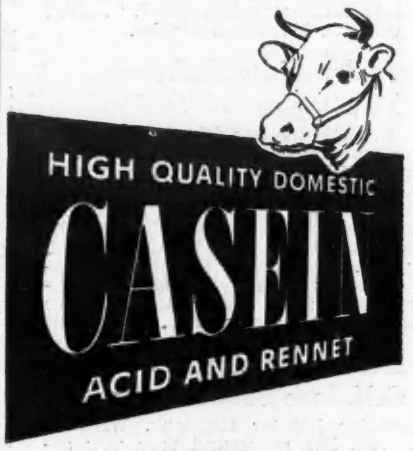
5. Casein is manufactured from liquid skim milk which is the same raw material utilized for the production of non-fat dry milk solids. A reduction in the output of casein would tend to result in the diversion of liquid skim milk to the production of non-fat dry milk solids. The department has acquired large stocks of non-fat dry milk solids under the price support program for milk and butter fats.

Under the agricultural act of 1949, price support for milk and butterfat is mandatory at between 75 and 90 percent of parity if the Secretary of Agriculture determines it is necessary in order to assure an adequate supply. The legislative history of this act indicates clearly that it was the intent of congress that price support for milk and butterfat should be carried out through loans on, or purchases of, butter, cheese, evaporated milk, and dry milk powder.

On the basis of the foregoing considerations, it has been concluded that imports of casein in excess of 40,000,000 pounds during the period 1952-53 would result in the impairment of the current level of domestic production and in increased purchases of non-fat dry milk solids under the price support program.

[The department's press release on recent revisions in import controls states] that the secretary will, as required by the law, continue to review the situation affecting commodities or products included under section 104, and it may be necessary from time to time to place additional commodities under control, to change the degree of control, or to release controls on certain commodities.

Washington, D. C. PETER H. DEVRIES,
Acting Director,
Office of Information Services,
Production and Marketing Administration,
Department of Agriculture.



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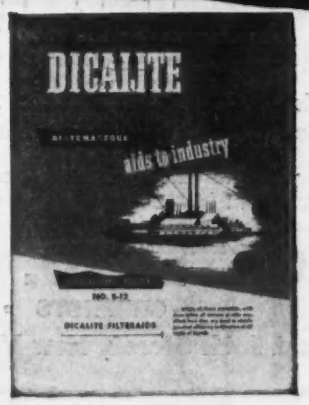

Obituaries

Hugh J. Fraser

Hugh J. Fraser, vice-president in general charge of all plant operations in the United States of the International Nickel Company, New York, died in Montreal, Canada, August 22. He was fifty-four years of age.

Mr. Fraser joined the Huntington (W. Va.) Works of International Nickel in 1923, and served in various technical and operating capacities before being promoted to the New York office in 1935 as assistant manager of the production department.

In 1947 Mr. Fraser was elected vice-president and shortly afterwards was promoted to the position he held at the time of his death. Mr. Fraser was also assistant vice-president of the parent organization, the International Nickel Company of Canada, Ltd.

Andrew N. Barnes, who retired in July after fifty years of service with the American Agriculture and Chemical Company, Carteret, N. J., died August 27 in Rahway, N. J. He was sixty-eight years old.

Daniel D. Berolzheimer, consulting chemist, who had operated his own business in New York for many years, died August 24 in Nantucket, Mass. He was seventy-five years old.

Edwin G. Bowne, vice-president of the Engineering Employment Service, Inc., New York, died August 19 in East Stroudsburg, Pa. He was fifty-four years old.

William N. Cline, former division sales manager and trade sales manager of the Glidden Company, Cleveland, Ohio, died August 22 in Fanwood, N. J. He was eighty-two years old.

Arthur L. Dunnam, manager of the Mobile, Ala., plant of Republic Creosoting Company, Indianapolis, Ind., died August 26 in Mobile. He was fifty-four. Mr. Dunnam had been with Republic Creosoting for thirty-three years.

Dr. B. Smith Hopkins, sr., retired professor of inorganic chemistry at the University of Illinois and a pioneer atomic researcher, died August 27 in Champaign, Ill. He was seventy-nine years old. Dr. Hopkins was credited by many with the discovery of element 61, which he isolated and named illinium in honor of his university.

William R. Phillips, production manager of the Geneva, N. Y., plant of the American Can Company, died August 22 in Geneva. He was fifty-nine years old.

Maurice Rosengard, at one time president of the Hillside Drug Company, now dissolved, died August 27 in the Bronx, N. Y. He was sixty-three years old.

Dr. Eduard Strauss, former professor in the chemistry department of New York University, died August 24 in New York. He was seventy-six years old.

Frank G. Tallman, jr., director of the office buildings department of E. I. duPont de Nemours & Co., died August 27 in Greenville, Del. He was fifty-seven years old.

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Oils, Fats and Waxes

Improved demand featured the oils and fats market last week. While trading was spotty, a larger volume of business was placed chiefly for nearby delivery than for some time past. Prices were lifted fractionally for the majority of items on the list. Edible vegetable oils continued to advance with the upward trend of cottonseed and soybean oils. Drying oils also were higher, reflecting the increased cost of flaxseed and linseed oil.

Offerings of edible vegetable oils were restricted and corn, cottonseed, peanut and soybean oils continued to move upward. Edible olive oil also was stronger due to an embargo of exports from Spain and dwindling stocks of oil on spot. Trading was quite active at higher levels.

Crude coconut oil developed a weak tone and declined fractionally for shipment. Copra also was unsettled and early price gains were not sustained.

Linseed oil was boosted 1c. per pound, as a result of sharp advance of flaxseed. Trading was fairly active before the higher price went into effect. Demand for tung oil increased with sales taking place at a fractional advance. Oiticica oil also was firmer under improved consuming interest, and offerings were raised fractionally. Refined fish oils were higher with increased cost of crude menhaden oil.

OPS announced higher ceilings for cottonseed meal last week. Mills restricted offerings, preferring to place bulk of the production under the government loan support program.

Consumers of carnauba wax kept to the sidelines last week. Prices were entirely nominal and could have been shaded for moderate sized quantities. Crude beeswax was stronger and trading in African took place at an increase of 1 cent per pound. Crude replacements were higher and offered sparingly.

Other Vegetable Oils

Castor Dehydrated—Demand was reported quiet. Market remained steady at prevailing quotations for all grades.

Coconut—Crude became softer and dropped ½c. per pound. Prompt shipments were offered at 9½c. per pound, f.o.b. Pacific coast. New York market was easier and nominal at 10¾c. per pound, tankcars.

Copra—This market was unsettled and price advances were not sustained. Shipments were nominal at $132.50 per ton, c.i.f. Pacific coast and $137.50 per ton, New York.

Corn—Crude was stronger with competing oils and scored net gains of ½c. per pound. Sales took place at 14c. per pound, tankcars, f.o.b. mills. Offerings continued scarce. Refined oil also was lifted to 17¼c. per pound, tankcars, New York basis.

Cottonseed—Bleachable cottonseed oil futures continued firm last week. Trading was active. Market backed and filled, but retained a firm tone, reflecting the strength of crude cottonseed and soybean oils. Market eased to some extent at the close due to evening up trade before the Labor Day holiday. Tenders of September contracts amounted to 64 contracts and were stopped. Trade buyers continued to take nearby oil, against sales of deferred positions. Long interests supported futures. July consumption of refined oil was disappointing totaling 1,563 tankcars, against 1,847 in June and 1,192 in July, 1951. Consumption during the season ending July 31 amounted to 22,050 tankcars, compared with 18,694 for the same period last year. Visible supply July 31 was estimated at 7,338 tankcars against 3,090 a year ago.

Crude oil was scarce and firmer, advancing ¼c. per pound. Sales were light at 13⅝c. per pound, tankcars, Southeast and Valley and 13⅜c., Texas.

Sales and prices of prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended August 29 follow:

	Sales	Cents per pound High	Low	Close
September	670	16.13	15.70	15.91@15.95
October	303	16.32	15.99	16.06S
December	530	16.41	15.90	16.19S
March	329	16.54	16.04	16.34S
May	247	16.56	16.05	16.37S
July	75	16.56	16.09	16.34@16.40
September	2	16.25	16.25	16.30@16.40

Total sales, 2,404 contracts.

Memphis.—Crude cottonseed oil sold at 12⅝c. per pound, tankcars, f.o.b. mills. Crude soybean oil quoted at 11½c. per pound, September delivery. Cottonseed will start moving next week, with most of early production going to ginners. Mills not offering freely. Trading expected to improve next week.

Linseed—Sharp price advance in flaxseed, stiffened the oil market and quotations were raised 1c. per pound. Trading was fairly active before the higher price became effective. Raw oil was lifted to 16c. per pound, tankcars, f.o.b. mills and 17¼c. per pound, tankcars, New York. Withdrawal of oil against former contracts was fairly active during the month.

Minneapolis.—Oil market was stronger reflecting the steady advance of flaxseed market. Crushers raised prices of raw oil ½c. to 15½c. per pound, tankcars, Minneapolis, following sales of good sized quantities at 14¾c. and 15c. per pound, tankcars for first and second quarter requirements, before the advance went into effect. Shipping instructions which have been lagging also showed improvement.

Shipments of linseed oil, in pounds, were as follows:—

	1951-52	1950-51
Past week	8,540,000	8,040,000
Since Sept. 1	411,802,000	434,380,000

Flaxseed—Active demand and light offers boosted prices sharply last week.

Minneapolis.—Cash flaxseed costs ruled strong last week and a good run of spot seed poured into the market. To-arrive bookings also were brisk. Bulk of the seed moved at $4.18 to $4.23 per bushel as crushers bid 4c. a bushel over the September future delivery price for No. 1 seed. Purchases in the spot market totaled 108 cars and 6,000 bushels in trucklots. Bookings on a to-arrive basis amounted to 94 cars and 136,000 bushels in truckiots. Movement of flaxseed was slow at the start of the week but it gained momentum

Market Trends

Prices Advanced

Acid, capric, ½c. per lb.
Caprylic, ½c. per lb.
Lauric, 90 p.c., 2c. per lb.
Linseed, 1c. per lb.
Myristic, ½c. per lb.
Grease, yellow, ½c. per lb.
Oil, corn, crude, ½c. per lb.
ref., ¾c. per lb.
Cottonseed, crude, ¼c. per lb.
foots, 95%, ¼c. per lb.
ref., ¼c. per lb.
Fish, ref., ½c. per lb.
Linseed, 1c. per lb.
Menhaden, crude, ½c. per lb.
Oiticica, ½c. per lb.
Olive, 25c. to 30c. per gal.
Peanut, crude, ½c. per lb.
ref., ½c. per lb.
Soybean, crude, ¾c. per lb.
ref. alkali, ½c. per lb.
clarif., ½c. per lb.
salad, ¾c. per lb.
Tung, ½c. per lb.
Peanut, feed, $3 per ton.
Wax, bees, crude, Afr., 1c. per lb.
Cent. Am., 2c. per lb.

Prices Reduced

Lard, ¼c. per lb.
Oil coconut, crude, Pac. coast, ¼c. per lb.
N. Y., ¼c. per lb.
Wax, carnauba, No. 3, ref., 1c. per lb.

Comparative Price Indexes

(1926-1949 average)

Last week	Prev. week	Last month	Aug. 31, 1951
105.73	104.09	103.47	130.00

(For Current Prices see Page 9)

Cottonseed Crush: July

Cottonseed received and crushed and production of cottonseed products during July and June, 1952, as compiled by Bureau of the Census, follows:—

Cottonseed

	July	June
	Tons	
Receipts	78,225	13,725
Crushed	117,439	152,799
Stocks at mills	136,898	176,112

Crude Oil

	Pounds	
Produced	41,143,000	52,822,000
Stocks at mills	18,435,000	24,549,000

Refined Oil

	Pounds	
Produced	54,022,000	70,570,000
Factory and whse. stocks	[1]361,339,000	401,400,000

Cake and Meal

	Tons	
Produced	55,746	69,153
Stocks at mills	45,104	53,916

Hulls

	Tons	
Produced	27,196	25,883
Stocks at mills	24,615	30,676

Linters

	Bales	
Produced	[2]35,565	[4]46,953
Stocks at mills	[3]107,223	148,966

[1] Includes 39,182,000 pounds owned by Commodity Credit Corporation.

[2] Includes 10,912 bales first cut, 23,633 bales second, and 1,020 bales mill run. Average gross bale weights:—Total, 502.5; first cut, 500.6; second cut, 510.2; and mill run, 358.9 pounds.

[3] Includes 25,938 bales first cut, 60,938 bales second cut, and 10,389 bales mill run.

[4] Revised.

For Late Market Developments, See Page 4

Soybean Crush: July

Soybeans received and crushed and production of soybean oil and meal during July and June, 1952, as compiled by the Bureau of the Census, follows:—

Soybeans

	July	June
	Tons	
Receipts	272,854	628,854
Crushed	524,082	558,517
Stocks at mills	673,912	923,140

Crude Oil

	July	June
	Pounds	
Produced	178,701,000	189,977,000
Stocks at mills	81,159,000	86,276,000

Refined Oil

	July	June
	Pounds	
Produced	162,153,000	177,198,000
Factory and whse. stocks	116,618,000	111,280,000

Cake and Meal

	July	June
	Tons	
Produced	409,127	435,114
Stocks at mills	71,315	57,784

as prices went up. Despite the brisk run, a good portion of new-crop marketings went into CCC storage for government loans. Actual arrivals at the Minneapolis market last week (spot cars, deliveries against old to-arrive bookings, and for CCC account) totaled 979 cars, compared with 508 cars in the previous week and 80 cars a year ago. Shipments from Minneapolis amounted to 30 cars, compared with 48 cars in the preceding week and 134 cars a year ago.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts		Shipments	
	1951-52	1950-51	1951-52	1950-51
Past week.	1,664,300	159,800	51,000	260,100
Since Sept. 1	26,628,700	26,146,800	4,927,900	7,291,100

The first official estimate of the Canadian 1952 flaxseed production was indicated at 12,996,000 bushels by the Dominion Bureau Statistics. This compares with 9,897,000 bushels produced last year. Flaxseed stocks as of July 31 totaled 2,400,000 bushels against 1,200,000 bushels a year ago.

Olive—The ban of exports of edible oil from Spain stiffened the spot market and quotations were lifted 25c. to 30c. per gallon. Demand increased and trading took place at $2.50 to $2.60 per gallon, drums, spot, duty paid, with most sellers offering sparingly and holding at the higher figure. Olive foots were quiet and unchanged at 15c. to 15½c. per pound, drums, as to quantity.

Oiticica—Buying interest improved and quotations were raised ½c. per pound. Refined oil was held at 22c. per pound, tankcars, prompt delivery New York, following some business at ½c. less. Offerings were not as liberal as heretofore. Drums were higher at 23½c. to 24c. per pound, depending upon quantity.

Peanut—Increased demand and limited supplies strengthened this market and quotations were advanced ½c. per pound. Sales of crude took place at 17c. per pound, tankcars, f.o.b. mills, prompt shipment. Refined oil was lifted to 20c. per pound, tankcars, New York delivery.

Rapeseed—Quiet demand kept this market easy. Refined oil was entirely nominal at 17½c. per pound, tankcars, New York basis.

Soybean — Improved demand and limited offerings especially for nearby delivery, raised quotations ⅛c. per pound. Sales were made at 11⅞c. and 11⅝c. per pound, tankcars; September and October-December was offered at 11½c. The government was in the market and purchased crude for prompt shipment at 11⅞c. per pound. Refined salad oil was lifted to 14½c. per pound, tankcars, New York delivery. Alkali refined and clarified also were advanced to 14½c. and 13¾c. per pound, tankcars, respectively, New York basis.

Consumption of crude soybean oil in July totaled 3,061 tankcars, compared with 3,373 in June and 2,784 during July, 1951.

Sales and prices of prime crude soybean (Contract "W") on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended August 29 follow:

	Sales	Cents per pound High	Low	Close
September	107	11.75	11.50	11.60@11.70
October	14	11.65	11.40	11.35@11.45
November	1	11.50	11.50	11.33@11.45
December	45	11.70	11.40	11.42S
March	36	12.05	11.55	11.56S
May	9	12.00	11.70	11.60@11.65
July	4	12.10	11.95	11.70@11.80

Total sales, 216 contracts.

Tung—This market was firmer under better demand and fair volume of business was placed at 38½c. per pound, tankcars, New York, prompt delivery, an increase of ½c. for the week. Offers ranged from 38½c. to 38¾c. per pound, tankcars, through September delivery. Drums also were higher at 40c. to 40½c. per pound, according to quantity.

Department of Agriculture has announced that prices to growers of 1952-crop tung nuts will be supported by CCC

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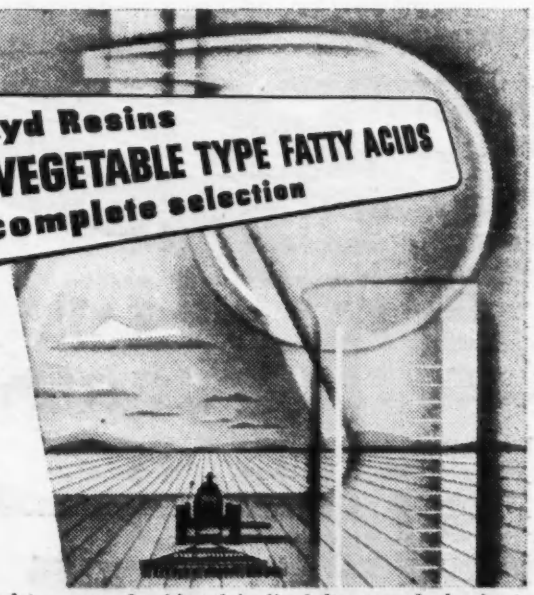

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at $67.20 per ton, basis 17.5 percent oil content, and grower owned tung oil at 26.5c. per pound. The support for oil is the same as 1951 crop while parity for tung nuts is lower this year and reflects 62.2 percent of the parity price for tung nuts of $108 per ton as of August 1, 1952. Agreements on nuts will be available from November 1, through January 1, 1953, and purchase agreements and loans on oil from November 1 through June 30, 1953. Premiums and discounts for nuts containing more or less than 17.5 percent oil content will be established. There will be no area differentials for either nuts or oil.

Fats and Greases

Greases — Trading was reported light and spotty. Market remained steady. Quotations were unchanged except for yellow, which were firmer at 4¼c. per pound, tankcars, delivered. Choice white was quoted at 6⅛c. per pound, tankcars, delivered; house, 3¾c., and brown, 3¼c., same basis.

Lard—This market was easier and off fractionally. Business was reported spotty. Cash lard was quoted nominally at 10¾c. per pound, tierces, Chicago.

Tallow—Consuming inquiry was quite active, with large and small buyers taking moderate quantities at unchanged prices. Market remained steady with improved tone at western points. Fancy was quoted at 6⅛c. per pound, tankcars, delivered; extra, 5⅞c.; special, 5⅛c. and No. 1, 4⅜c. same basis.

Fish Oils

Refined Fish—While trading was slow, the market was stronger with crude and advanced ½c. changed prices. Light pressed oil was quoted at 11c. per pound, and alkali refined at 12c. per pound, tankcars, New York delivery. Crude menhaden oil was firmer and some business was reported at 6½c. per pound, tankcars, Baltimore. At Gulf points the market was unchanged at 5½c. per pound, tankcars, f.o.b.

Production of crude menhaden oil in June as indicated at 1,749,000 gallons, against 2,179,160 gallons, June last year. Output for six months ending June amounted to 3,794,460 gallons, compared with 3,721,900 gallons for the same period last year. Production of sardine oil during the same periods was 3,126 gallons and 518,900 gallons, respectively.

Los Angeles.—Buying interest in fish oils continued light. Two cars of crude tuna oil were moved at 5.75c. per pound, f.o.b. San Pedro. Alaskan herring oil quoted 7½c. per pound, f.o.b. Seattle with supplies moderate. Anchovy oil was offered 5½c. per pound, f.o.b. Monterey. No sardines have been landed in the latter area with all boats now in harbor. No trading has been reported in the Southern California area for new crop sardine oil. Menhaden oil offered 5½c. per pound, f.o.b. Gulf ports.

Fatty Acids

A noticeable improvement was reported in the withdrawal of fatty acids against current contracts by the textile and other consumers. Prices were without change. Market tone was firmer reflecting the advance of vegetable oils. Tallow and greases also were steadier than a week ago.

Cake and Meal

Cottonseed Meal—OPS approved higher ceilings for cottonseed feed products last week. The new ceilings would mean, officials said, an average increase of $2. per ton for the country as a whole. The price change to individual crushers will vary greatly, because each crusher's ceilings date back to January 26, 1951. The order covered cottonseed cake, flakes, meal, sized cake, pellets, cubes, hulls, hull bran, and cottonseed feed. It also sets markups for many classes of distributors. For crushers the ceiling of cottonseed meal will be $80. per ton f.o.b. mills, Mississippi, Tennessee and east Arkansas; $81. in west Arkansas, Missouri, Illinois, Louisiana, and Alabama; $82. in Oklahoma, Texas, Georgia, Florida, New Mexico, Arizona and California; $83. in North and South Carolina, with the mill being paid $1. for sacking, plus a maximum cost of $5.25 for new cotton bags, $4.25 for new burlap bags, $4.25 for used cotton, $3.50 for used burlap, and $3.25 for paper bags. The jobbers mark-up is $2.00 per ton. Mills are not offering any volume of meal, and placing it under government loan along with the oil.

Linseed Meal—Trading in linseed mixtures was a standstill pending clarification of OPS action on ceilings on straight meal and mixtures.

Minneapolis.—There was confusion in the linseed meal market following OPS news Aug. 22 that the agency was going to come out with ceilings on all oilseed mixtures (timed to coincide with the start of the new seasons for these oilseeds. Offerings of linseed meal "mixes" came to a virtual halt following the OPS news. Limited trade was reported throughout the week, pending clarification by OPS. Shipping directions continued excellent.

Shipments of linseed meal (mixtures), in pounds, were as follows:—

	1951-52	1950-51
Past week	14,320,000	10,860,000
Since Sept. 1	555,220,000	843,120,000

Peanut Feed—The market is nominally around $100 per ton f.o.b. Alabama and Georgia shipping points, but none is available. It is expected that a small crush of peanuts will be available in October, but prospects for supplies until then are very slim. Demand is exceptionally good.

Soybean Meal—There is no trading in the Southeast although a few scattered resale cars of mixtures are offered at extremely high prices—figuring about $125 per ton delivered Georgia points. Several feed manufacturers are still in need of meal, but it is very difficult to find anything to offer.

Waxes

Beeswax—Crude grades were stronger and advanced with the increased cost of replacements. African was reported sold at 47c. and 48c. per pound, spot for sizable quantities. Offers were raised to 48c. to 50c. per pound, depending upon quantity and delivery. Central American grades also were higher at 56c. to 57c. per pound, as to quantity.

Carnauba—This market continued in the doldrums and quotations were unsettled and merely nominal. Consuming inquiry was light and sales scarce. No. 3 refined was lower at $1.01 to $1.02 per pound, as to quantity. Other grades were unchanged, but could have shaded for sizable quantities. No. 3 crude was quoted at 96c. to 98c. per pound, No. 1 yellow, $1.26 to $1.28 and No. 2, $1.24 to $1.26 per pound, depending upon quantity.

Ouricury—Demand was inactive. Refined was unchanged and nominal at 79c. to 80c. per pound, according to quantity.

DPA Now Staffing IMC

The Defense Production Administration has taken over responsibility for the providing of United States personnel of the secretariat of the International Materials Conference, according to an announcement by DPA administrator Henry H. Fowler. The number of the US members, previously furnished by the State department, has been reduced from fifty-seven to twenty-five and now approximates the number of staff members contributed by other countries, it was said.

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RAYMOND PULVERIZERS: 3—#5047 Raymond High Side, 7½" face rolls, Whizzer Separators, New Oil Journals, complete.

2—Raymond 4-roll High Side Mills, each complete with 2—50 HP. 3/60/2200 volt motors, connecting piping, etc.

FILTERS: 4—#12 Sweetland Filters for 36 leaves on 4" c/c.

8—Pebble Mills, porcelain-lined, 5' dia. x 4'; 3—6' x 8', 800 gals. each.

6—Devine #28 Vac. Shelf Dryers, ea. 20 shelves 59"x78", complete.

10—Shriver 42"x42", Cast Iron Filter Presses, Plate & Frame, 18, 27, 36, 54 chambers, 1" cake.

16—Sperry 18"x18", Cast Iron, P & F, Filter Presses, closed del., 11 cham.

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3—Shriver 36"x36" cast iron, plate and frame Filter Presses, 30 chambers, closed delivery.
4—Shriver 30"x30" cast iron, plate and frame Filter Presses, 30 chambers, open delivery.
4—Sperry 24"x24" cast iron, plate and frame Filter Presses, 16 chambers, closed delivery.
2—Stokes 30"x8', 3'x15' Rotary Vacuum Dryers.
1—Link Belt monel 2'7"x8' Rote-Louvre Dryer.
1—Vulcan 4½'x50' Rotary Dryer ⅜" shell.
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1—Hardinge 4½'x16" conical steel-lined Ball Mill.
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Sharples Py-14 Super-D-Canter.
Sweeland No. 12 Filter, 36 lvs. on 4" cent.
Sweetland No. 5 Filter, 30 lvs. on 2" cent.
Enterprise 7' x 60' Steam Tube Dryer.
Rotex Model 52 screen, 2 Deck 60" x 120".
Eimco 8' x 8' Rotary Vac. Filter, Complete.
Oliver 5'3" x 10' Rotary Vac. Filter.
AT&M 40" basket, Solid Steel, 25 HP.
Copper Still, 48" x 50' column, Complete.
Sperry 36" Filter, 60 P & F, Hyd. cls.
Shriver 30" Filter, 29 pits-30 trms.
Sperry 18" Bronze Filter, 25 rec. pits.
Multiclone Dust Collector, Model 25-5.
Condensers, 1900-2300 sq. ft. Steel (6).
6' x 16' Coil Evaporator, Stainless.
Moore 4' x 5' Steel Ball Mill, 15 HP ex Prf.
600# S. S. Ribbon Mixer, 5 HP.
7½" x 60' Rotary Dryer, ½" shell.
Oliver 4' x 6' Cast Iron Rotary Filter.
Anderson Super Duo Expellors, Complete (2).
Patterson 4' x 5' Lined Pebble Mill, 5 HP.
Abbe Tube Mill, 42" x 10', Porc. Lined.
Stokes Model BB-2 Rotary Tablet Press.
4' x 24' Rotary Dryer, Complete.

MACHINERY AND EQUIPMENT CO.
514 BRYANT STREET SAN FRANCISCO 7, CALIF.

FOR IMMEDIATE SHIPMENT

PHONE — HANOVER 2-4890

CENTRIFUGES
40" perforated, steel, Tolhurst.
40" perforated, SS, Fletcher.
40"x60" Bird, rubber covered.
36"x50" Bird, rubber covered.
24" Bird, CH, SS, series 200.

COLUMNS—TOWERS
8'x36'x3/8" Absorption (2—UNUSED).
5'x47'x3/8" Absorption, ASME, 20 trays (2).
5'x38'x3/8" Absorption, ASME, 14 trays.
3'6"x38'x5/16" Absorption.
6'x44'x2¼" Scrubber, 5" heads, 225 PSI.
24"x13' C.I. Fractionating, 18 Plate.
6'x49'x3/8" Bubble Cap, 19 trays.
6'x29'8" Bubble Cap, SS, 21 trays.
5'x30'x3/8" packed.

CRYSTALLIZERS
12" Screw, 10', Jacketed (5).

DRYERS
3'x15', Rotary, Vacuum, jacket'd., SS clad.
Double drum, 32"x72".
Spray, 16'x20'.
Stokes, Rotary, Vacuum, 30"x8', complete.
Blaw-Knox 5'x6' Atmos. single drum.
Procter & Schwartz, 24"x28'9" Conveyor.
Procter & Schwartz, 8'x94' SS Conveyor Dryer.
Procter & Schwartz, 6'x40' Conveyor Dryer.

FILTERS
11'6"x18' Oliver, all steel.
8'x12' Feinc, all steel.
8'x10' Oliver, wood & steel (3).
8'x8' Oliver, lead covered.
4'x5'3" Oliver, steel.
4'x5' Oliver, SS & wood.
3'x4' Oliver, steel.
#7 Sweetland, 2" spacing, 28 leaves.
36", 35 chambers, center feed, open.
12" Sperry, aluminum chambers.

KETTLES—REACTORS
2000 gal. agit., jack'd., 200 PSI (3).
1300 gal. 6'x6', 60 PSI, U69, SS.
1000 gal. 54"x7'x¾", 300 PSI.
500 gal. Pfaudler, type LL.
400 gal. Pfaudler, jack'd., agit.

KILNS—COOLERS—DRYERS
7'x125'x½".
10'x90'x9/16" Allis-Chalmers.
8'x80'x¾" Vulcan.
7'x45'x½".
7'x40'x¾" with lifters.
5'x67'x5/16" with lifters.
4'6"x40'x⅜".
5'x30' Ruggles Cole, indirect.
4'x35'x½" with burner.
5'6"x25' Allis-Chalmers, complete.

MILLS—PULVERIZERS—CRUSHERS
24"x24", single roll.
40"x14", 2 roll.
18"x36", jaw.
48" Symons, disc.
14"x16", 2 roll, spiked.
No. 222, type R, Allis Chalmers.
23"x12' double shaft, L. B. Pug.
10'x48" Hardinge.
5'6"x20' Smidth.
Raymond #1 (2).
Raymond, 4-roll.
6'x8' Abbe, style GPH (2).
6'x8' Patterson.
K-200 Kombinator, SS.
5'x22', tube, Silex lined.
Day, 3-roll, 16"x40".
Stedman, 36", 4-roll, cage.
A2 Jeffrey, 24"x18".
Williams No. 3.
Size 1 Allis-Chalmers.

MIXERS
Paddle, double shaft, 140 cu. ft. (NEW).
Readco 1½ SA, 88 gals.
Blystone, 48"x67", 500 gals. (2).
Ajax, #3 Super, 173 gals.
Dayton, 100 gals., vert., steel, agit.
3900 gal. jackt'd., ASME (7).
Champion, 110 gals.
Johnson, paddle, 2190 cu. ft. (2).

SCREENS
4'x7' Tyler, single deck.
4'x10' Tyler, single deck (2).
4'x5' Tyler, single deck (2).
3'x6' enclosed, single deck.

STILLS
600 gal. copper.
1500 gal., jacketed, cast iron.

TANKS & PRESSURE VESSELS
133,000 gal. 30'x26' with coils.
16,000 gal. 96"x45'x¾" WP 150 PSI, ASME.
12,000 gal. 8'x32'x¼" (NEW).
8,500 gal. vert. 8'x23'x5/16" (NEW).
8,200 gal. 70"x40'x2" 390 PSI (4).
6,000 gal. 8'x15'x⅜" aluminum.
4,100 gal. vert. 5'x28'x¼" (NEW).
3,400 gal. 7'4"x10'x⅜", type 430 SS.
1,250 gal. 4'x14', 106 PSI.
1,200 gal. 42"x16'8"x5/16", 125 PSI.
1,200 gal. 5'x8'.
1,050 gal. 4'x12'x½", 106 PSI.
480 gal., 4'x5', wood (NEW).
450 gal., 42"x6' (2).
6,500 gal. TANK CAR TANKS.

TANKS—LEAD LINED
525 gal. 42"x7', agitated.
900 gal. 5'x6', agitated.
1200 gal. 5'x8'.

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3—15,000 gal. Vertical Welded Steel Closed Fermenting Tanks, 80 lb. W.P. turbine agitator with 40 HP motor, 970 lin. ft. 3" pipe coil. Excellent condition.

12—3,000 gal. Horizontal Stainless Steel Tanks, insulated and agitated.

40—Stainless Steel Tanks—30, 60, 100, 150, 200, 300, 500, 1000, 1400, 2350, 3000, 42000, 5700 gal.

1—16,200 gal. Vertical Stainless Steel Tank, NEW.

3—Lee 300 gal. Stainless Steel Water Jacketed Tanks with double motion agitators.

35—Aluminum Tanks, closed, 275, 330, 480, 500, 1,350 and 9,000 gal.

18—15,000 gal. Horiz. Welded Steel Tanks.
1—Stainless Steel Kettle, Jktd. & Agit., 950 gal., T 347.

4—Stainless Steel Jacketed Kettles 150 gal.; with double motion agitators.

50—Stainless Steel and Stainless Clad Steam Jacketed Kettles—10, 40, 60, 80, 100, 150, 200, 500 gal.

1—2½ gal. Stainless Steel Reactor Tank with agitator.

2—Aluminum Reaction Kettles, Jktd. and Agit.—60 & 100 gal.

1—350 gal. Stainless Steel Vacuum Still, T316, direct fired.

1—Stainless Steel T316 Packed Column, 2' dia. x 6'8" H.

6—Stainless Steel Coil and Tub. Condensers, 40 sq. ft. & 81½ sq. ft.

6—Copper Shell & Tube Condensers, 65, 95, 135, 330, 428, 487 and 725 sq. ft.

2—Kux Rotary Pellet Presses, model 25, 21 & 25 punch.

6—Stokes Rotary Tablet Presses, B-2, D-3, D-4; 16-punch.

1—Ball & Jewell #1½ Rotary Cutter, stainless steel.

2—Mikro Pulverizers #1-SH, #2-S1, #2-TH.

1—Williams Hammer Mill, Size A, Type AK, Stainless Steel.

1—Hardinge Conical Ball Mill, 4'6" dia. x 24", steel liner.

2—Paul Abbe #6 Porcelain Lined Pebble Mills, 32"x36".

1—Paul Abbe #4A Pebble Mill, 45x48.

1—Fletcher 30" Jr. Centrifugal T304 S.S., solid basket.

1—Sharples #16 Super Centrifuge, Stainless Steel.

12—C. I. Filter Presses, 10" to 36" sizes.

1—Rotary Vacuum Filter, 8'x8' acid-proof, precoat.

1—Feinc Rotary Vacuum Filter, 4'6" dia. x 6' face, aluminum.

2—Sweetland Filters, #3 & #10.

1—Klein Stainless Steel Pressure Leaf Filter, 97 sq. ft.

2—Industrial F & P Mfg. Co. Pressure Leaf Filters, size 18x48 (68 sq. ft.) type RB (rubber lined tank, bronze leaves) with slurry tank, pump & motor.

1—Niagara #275 Pressure Leaf Filter, 267 sq. ft., monel covered leaves, Heresite lined tanks.

8—Horiz. Ribbon Type Powder Mixers—50 lb., 100 lb., 200 lb., 400 lb., 600 lb., 1200 lb., 2000 lb.

1—Broughton style A, size 1, horiz. double arm powder mixer, 50 cu. ft.

FILTER PRESSES, PL. & FR.
closed delivery, washing type
4—36" Rubber Covered, hydr. cl.
1—30" Rubber Covered, 21 ch.

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1407 N. 6th ST., PHILADELPHIA 22, PA.

SPECIAL
2—Buffalo 6' dia. vac., Jacketed, 300 gal., Cast Iron Crystallizers.

DRYERS AND KILNS
Devine #12 Vac. Shelf Dryer, 40"x42".
2—Allbr. Nell 4'x9 Atmos. Drum Dryers.
1—Proctor & Schwartz 6 fan automatic 3 apron Conveyor Dryer.
1—Buffalo Vac. Drum Dryer 24"x20" Also Rotary Vac. Dryers & Vac. Shelf Dryers.
6—Steam, gas & elect. Dryers.
8—Rotary Dryers, Direct & Indirect. Also Jacketed & Steam Tube.
New Rotary Dryers, Kilns and Coolers

CENTRIFUGALS AND CENTRIFUGES
6—Tolhurst 40" Suspended Type Centrifugals. Bottom Discharge.
8—Centrifugals, 20", 26" 30", 40" & 48", Steel, Copper Stainless & Rubber
11—Sharples No. 5A Stainless Centrifuges, 2 HP. also No. 6.
2—De Laval Multi Clarifiers. 300 & 301.

FILTERS
1—Vallez Filter #49 with 41 Stainless covered 44½" dia. leaves.
10—Sperry and Shriver, 12", 18", 24", 30", & 36" iron Filter Presses.
Sweetland & Oliver Vac. Filters.

KETTLES AND TANKS
2—Pfaudler 500 gal. vert. Glass Lined Tanks.
Dapp 350 gal. agit. Jack. C. I. Kettle.
Devine 36" dia. Impreg. Unit: closed Jack. Liquor & Impregnating Kettle.
100 gal. Jack. Impregnating Kettle.
1—Steel ASME 275 PSI Closed Pressure Tank, 4½'x10'.
1,000 gal. vert. agit. Stainless Steel Tank.
500 & 1,000 gal. closed Jack. Steel Kettles.
2300 gal. vert. agit. Jack. Steel Kettle.
8—Jack Kettles, 50 to 2500 gals.
1—250 gal. Lead lined Kettle
Stainless, alum., Copper, Glass Lined, Lead Lined Kettles and Tanks.
New Stainless Tanks, 50 to 500 gals
4—Steel welded horiz. Tanks, 10,000 & 5,000 gals.
Copper Varnish Kettles, 150 to 300 gals.

PULVERIZERS AND MILLS
8—Abbe Jar Mills Lab. to 25 gals
#1 Raymond Autom. Pulverizer, 20 HP.
1#00 Raymond Mill 30 H.P. complete.
2—#0000 Raymond Mills
Hammer Mills & Pulverizers, to 50 HP.
1—Sturtevant 42" Rock Emery Mill.
1—Robinson 22" B.B. Attrition Mill.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 8"x22" 9"x32", 12"x30", 16"x40"
1—Monarch 9"x24" Steel Roller Mill, 3 pr. high. Also 7½x20, 4 Roll.
1—9"x24" 1 Pr. High Steel Roller Mill.
Houchin 18"x36" 4 Roll Granite Stone Mills.
2—U. S. & Premier 1½ H.P. Colloid Mills.

MIXERS, SIFTERS & SCREENS
Baker Perkins double arm Mixers, 100, 50 & 9 gals. Also single arm Mixers.
Lancaster size 3 Pan Mixer 7½ H.P.
Century 40 & 80 qt. vert. 4 speed Mixer.
Tyler 3'x5' Vibratory 2 deck Screen.
Patterson 3½' dia. Stainless Conical Blender.
1—Master Drum type 1000# Blender.
10—Dry Powder Mixers, 50 to 2,000 lbs.
Day 40 & 15 gal. Pony Mixers.
15—Portable Elec. Mixers, ¼ to 2 HP.
6—Lead and Paste Mixers, to 150 gals.

MISC. AND SPECIALS
4—Stokes & Colton Rotary and Single Punch Tablet Machines, ½ to 3".
4—French Oil 400 Ton Linseed & Cottonseed Hydr. Presses.
4—French Oil Motor Driven Expellers.
1—Stokes 2E Paste Filler.
3—Stokes and Day Powder Fillers.
Filling Machines, liquid paste, powder.
Elgin Capper, ½ H.P. Motor driven.
2—Howe Mogul barrel and bag packers.
2—Revolving Pans, 30" & 36".
1—Gould 75 HP 2 stage centrif. Pump 250# WP.
4—Stokes Vertical High Vac. Pumps.
2—Worth 12"x12"x12" Vac. Pumps.
6—Devine & Buffalo Vac. Pumps.
Soap Machinery for Toilet, Laundry, etc. Centrif., Rotary, Duplex & Triplex Pumps, Boilers—Gas, Oil & Coal Water Stills.

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Stainless Steel Tanks, new, 100 and 200 gals.
2—360 gal. #316 Stainless Tanks—new.
1—Stainless Tank, 430 Chrome, vert. 7' dia. 10' deep, dished bottom, ⅜".
4—265 gal. #316 Stainless Reaction Kettles.
20—Steam Jacketed Kettles, Stainless Steel, Copper & Aluminum, 5 to 250 gals.
1—Copper Evaporator, steam jacketed, 9'1" x 3'9".
60—New Pressure Cookers, 18" x 18" & 24" x 28".
50—Pumps—steam and electric.
1—New Glass Nash Centrifugal Pump, 160 gpm at 40'.
1—Buflovak Impregnating Tank, 42" x 52", steam jacketed, used one week.
1—Ribbon type Mixer, steam jacketed.
1—Model 16 Sharples Stainless Centrifuge.
2—Hoffman Vacuum Stills.
1—Jeffrey Vibrating Conveyor, 15' x 12".
4—Stainless Steam Jacketed Filters.
1—Bartlett Hog Mill & 7½ H.P. Motor.
1—4 x 8 Sturtevant Jaw Crusher.
1—Sweetland Filter No. 5, 15 leaves.
3—Stainless Steel Jacketed Filters.
2—Plate & Frame Filters, 25"—open del.
4—Tanks, 100,000 gals. each.
1—Shriver 18" Aluminum Filter, 9-plates, 9-frames—closed delivery.
4—Stokes Rotary Tablet Machines RD4.
10—New Sharples Oil Purifiers.
6—New Clevon Can Filling Machines.

SPECIAL—:—2—Crystallizers 5 section 10' lg., double tube
1—Jeffrey Swing Hammer Pulverizer 36x24, Type B.
8—Horizontal Tanks, 10'6" x 30'—15,500 gals. each.
1—150 gal. Steam Jacketed Closed Kettle, 150# w.p. on jacket, 200# inside, A.S.M.E.
1—Abbe Pebble & Tube Mill, 5' x 22', Burr-Stone Lined.

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DAY "HERCULES" SIX BARREL
ALSO
#12 SWEETLAND FILTER

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STAINLESS Flash Tank, 8' x 6' with stainless tube bundle; print available.
3,000 gal. Rubber-Lined Vertical Tank, 7' x 10' with rubber-lined valves.
Croll-Reynolds Vacuum Evaporator in Monel, 30" x 5', with 2 Stage Evactor.
Pfaudler Glass-Lined Jacketed 400 gal. Reactor.
3 Pfaudler 350 gal. Jacketed Agitated Kettles.
Dopp Cast Iron Jacketed Kettles; 250 gal.; 600 gal.
Buflovak 500 gal. Steel Jacketed and Agitated Kettle.
MONEL 250 gal. Jacketed and Agitated Reactor with access.
Stainless Reactors from 24" x 40" to 48" x 60".
Type 347 Stainless Reactor 18" x 24"; Jktd. and Agtd.
Stainless Lab. Autoclave 10" x 15"; Agtd., Jktd.; 3,000 PSI.
2,000 gal. Copper Coil Heated Vacuum Pan; 7' x 10'7".
Type 347 Stainless COLUMN; 16 sections; 8⅛" x 19' high.
Goslin Birmingham Steel Sextuple Effect Evaporator.
Swenson Quadruple Effect Long Tube Film Type Evaporator.
Zaremba Single Effect Cast Iron Evaporator; 130 sq. ft.
Swenson Jacketed Crytallizers; 24" x 10' and 24" x 12'; 5 HP.
2 Bird Rubber Covered 48" Centrifugals; 2 speed 40 HP motors.
Bird Young Rotary Vacuum Filters with S.S. Screens; 4' x 4'.
A. O. Smith 5,250 Glass-Lined Hor. Tank, 8' x 14' in splendid condition.
2 Pfaudler Glass-Lined Jacketed 150 gal. Evaporating Dishes; 60" x 24".
Oliver Dorrco Rotary Vacuum Filter 6' x 3'; nickel contacts.
Baker Perkins 50 gal. Double Arm Jacketed Mixer; 15 HP.
J. H. Day 5 gal. STAINLESS Double Arm Jacketed Mixer; Vac. cover.
Baker Perkins STAINLESS Sigma Mixer; 6" x 12"; 2 HP XPL motor.
W. & P. type 100 gal. working Jacketed Double Arm Mixers.
Ross Double Arm Mixer; 16" x 16" x 12"; double geared; 3 HP.
Lancaster Model EAG4 Double Muller Mixer; 10 HP, complete.
Robinson Unique STAINLESS Mixer with Sifter; 17" x 30" x 20"; 2 HP.
NEW STAINLESS Double Ribbon Mixer; 24" x 96"; 24 cu. ft.
J H. Day JUMBO Mixer; 44" x 78" x 52".
Stainless (type 347) 16 Section Column; 8⅛" x 19' high, complete with accessories.
Copper Bubble Cap Column, having 24 plates; 18" x 12' high.
International Type X24 Porcelain-Lined Pebble Mills; 8' x 8' motorized.
Abbe Buhrstone-Lined Mills; 32" x 36", 54" x 60" and 60" x 72".
Buffalo 20 Shelf Vacuum Dryer; 40" x 42", complete with accessories.
Stokes 16 Shelf Steam Heated Dryers; 3' x 3', 6'10" overall.
Horizontal Dryers with tracks; 66" x 14'7" long; 2½" steam pipe.

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1—32" Tolhurst rubber covered centrifuge.
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1—24" Shriver filter press skeleton.
1—Buflovak 6' atmospheric crystallizer.
2—Rubber lined tanks, 400 gallons.
37—Glass lined tanks, 40" x 30", 100 gallons, some jacketed.
3—Glass lined tanks, 60 gallons, some jacketed.
1—Glass lined tank, 130 gallons.
14—Steel tanks, 40" x 30", 100 gallons, some jacketed.
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9—Steel tanks, 7,500 to 15,000 gallons.
17—Agitators, DC, portable Lightnin—(4) ¼ HP, (1) 1/3 HP, (1) ½ HP, (3) ¾ HP, (7) 1 HP, (1) 1½ HP.

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Mixer: Day #6, 100 gal., jktd., 25 hp.
Vacuum Pans: 6' stain. steel, 5' copper.
Powder Mixer: Day, 66 cu. ft., jktd.
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Mikro-Atomizer: No. 5, with 5 hp. motor.
Clarifiers: De Laval 84-51, motor dr.
Oil Purifier: De Laval No. 600, 2 hp. motor.
Vacuum Pumps: Nash AL-6 and H5.
Filters: Sparkler, Alsop, Ertel, Industrial.
Mill: 12x24" Farrel-Birmingham, 25 hp.
Tank: 1000 gal., type 316, stain. steel.
Vacuum Pan: Stokes 25 gal. st. steel, jackted.
Powder Mixers: 100 to 2,000 lbs.
Filter Presses: 7" to 24", Sperry, Shriver.
Colloid Mills: Premier, Charlotte—st. steel.
Tanks: 3,000 gal. vert. dairy gl. lined jktd.

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1925 W. North Ave. Chicago 22, Ill.

BUY WITH CONFIDENCE

1—New Tolhurst 48" S.S. Center-Slung Centrifuge.
2—Eppenbach 7½ H.P. S.S. Agi Mixers with 150 gal. S.S. Jack. Kettles.
3—Lee 300 Gallon S.S. Jack. Tanks with D.M. Agitators.
4—S.S. Jack. Kettles 125 to 150 gals. with D.M. Agitators.
4 Aluminum Tubular Condensers 100 and 160 sq. ft.
1—Syntron S.S. Vibraflow Feeder Conveyor Type 4S.
1—Buflovak 6' dia. Vacuum Crystallizer.
1—Stokes No. 138 Vac. Shelf Dryer. Six 24"x36" Shelves.
1—Combination S.S. Fowler Rotary Filler & Resina Capper.
5—Filter Presses 18" to 42" Wd. Plate and Frame.
2—Sperry 36" C.I. & Wood Filter Presses, Hyd. Closures.
2—Shriver 12" and 18" Alum. Plate & Frame Filter Presses.
2—Dopp Cast Iron Kettles 250 & 800 Gals. with Agitators.
1—Type 347 S.S. 950 gallon Jack. Kettle.
4—Charlotte & Premier S.S. Colloid Mills to 75 g.p.h.
5—Abbe Jar & Pebble Mills 1 to 75 gals.
3—Day & Ross 12"x32" and 16"x40" Three Roller Mills.
3—Day 20, 75 and 250 gal. double Arm Jack. Mixers.
1—Day 600# Jack. Spiral Mixer.
1—Stokes Rotary DD-2 Tablet Machine.
2—Mikro 2TH Pulverizers 10 H.P.
1—Gruendler W.B. Jr. Pulverizer 10 H.P.
1—Robinson 1212 Rotary Cutter 10 H.P.
4—Stokes 212C Hi-Vac. Pumps—100 cfm.
1—Rotex Screen 40"x120"—M.D.
1—Stokes 42A Stainless Steel Granulator.
10—Stainless Steel Storage Tanks 150 to 2,500 gallons.
2—Double Drum Dryers 48"x108" and 42"x120".
2—Alum. Bubble Cap Columns 27"x36".
3—S.S. Truck Tanks 3,000 gallons.

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1—A. T. & M. 30" Stainless Steel Centrifuge, Perforated Basket, Underdriven.
1—A. T. & M. 40" Centrifuge, Centerslung Rubber Perforated Basket.
1—Tolhurst 14" Centrifuge, Rubber Perforated Basket.
1—Sharples Stainless Steel Super D Canter #PN-14.
1—Vulcan Rotary Kiln 7' x 120', complete with 4 speed motor, Bucket Conveyors and all auxiliary equipment.
1—Ruggles Cole Rotary Kiln, 7½' x 60'.
1—Ruggles Cole Rotary Kiln, 10½' x 60'.
1—Buflovak Pilot Plant Vacuum Double Drum Dryer, 6" x 8", Stainless Steel Drums.
1—Buflovak Pilot Plant Double Drum Dryer, 6" x 8", Stainless Steel Drums.
4—Haveg 2,000 gals. cap. Storage Tanks.

4—Shriver Aluminum Plate & Frame Filter Presses, 24" x 24", Closed Delivery, 1" Frames, 35 Chambers each.

2—Oliver Rotary Steel Filters with monel filter cloth, 5'3" x 6' with all auxiliary equipment.
1—Sparkler Monel Jacketed Filter, Model #33-S-26.
1—Shriver 42" x 42" Evedur Plate & Frame Filter Press, 40 Chambers, Closed Delivery.
1—Sperry Aluminum 42" Plate & Frame Filter Press, 34 Chambers, Closed Delivery, 3" Frames (Unused).
1—Glascote Glass Lined Jacketed Vacuum Reactor, 1,600 gals. cap. (Unused).
1—Pfaudler Nickel Jacketed Crystallizing Dish, 150 gals. cap.
1—Lee Stainless Steel Jacketed Kettle, 10 gals. cap., Tilting Type, 125 lbs. Jack.
2—Buflovak Vacuum Shelf Dryers, 20 Shelves, size of Shelves 5' x 160".
3—Haveg Reaction Tanks, 2,000 gals. cap. with Agitators.

R. GELB & SONS, INC.
UNION, N. J. Est. 1886 Unionville 2-4900

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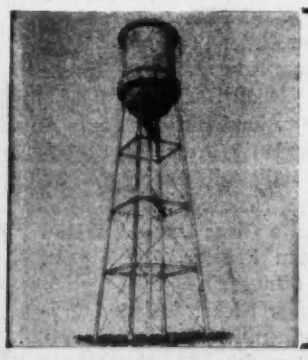

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Pharmacognosist or chemist with botanical background for analytical laboratory work. Give full details of experience, personal data, age, salary desired. OPD 527.

We have an opening for a technically trained salesman with experience in handling Castor, Oiticica and Tung oils. This is a fine opportunity for the right individual to help build a national sales and distribution program. Write us in full giving information regarding age, experience, and salary requirements. OPD 531.

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P.A.'s-Eye View

—Continued from page 5

two percent anticipate difficulty through the first quarter of 1953 and into the second quarter. Much labor unrest is reported, with many strikes now called and others in the making.

Buying Policy

Purchasing agents continue their very cautious view of future markets. The predominant policy is not over ninety days, with thirty to sixty days in high favor. The heavy release of orders this month is not accompanied by the usual longer commitment range. Buyers are more interested in procuring nearby requirements, and are not reaching far beyond those needs.

Specific Commodity Changes

With steel, copper products and aluminum posting higher prices, the price curve points up in August. However, this cannot be called a general movement, as supply and demand in other commodities offset some of the effect of these increases. Others up were cotton yarns, acetate rayon, linseed oil, silver, ferromanganese and edible oils. Important items down were rubber, jute, tires, burlap, zinc products, soft coal, paper products, tin, tung oil and cadmium. Hard to get were aluminum, steel, copper, tungsten, carbide, diamond wheels, phenols, nickel, copper and brass scrap.

Canada

Comparing Canadian purchasing agents' reports with those from the United States, production is up about the same; new orders are higher; prices have not moved up as much; inventories are on the increase; employment gains are below those in the United States for the month; buying policy is of slightly longer range. Consumer buying in Canada has picked up. Textile plants are booming. Some labor trouble is reported and more is expected.

Chemical Easement Seen

—Continued from page 3

creased. Full allotments for most civilian needs may be possible as early as the second quarter of 1953, he said.

The steel strike has delayed completion of new aluminum facilities and may result in an overall loss of as much as 110,000,000 pounds of aluminum. However, in spite of this loss and the recently increased stockpile objective, aluminum will become increasingly available for all civilian uses, and should be in easy supply by January, 1954, Mr. Fowler said.

In the miscellaneous listing, graphite (natural and crucible flake), rare earths and rutile have eased to group 2. Abaca and Sisal reappear in group 2. Hog bristles (other than Chinese) are a new entry in group 3. All rubber classifications, formerly in group 2, have dropped to group 3.

The current list reviews three important conservation reports:—(1) "Industrial Conservation," telling how to set up an "in-plant" conservation program; (2) "Study of Conservation in Building Construction," by the Building Research Advisory Board, and (3) "Wood Conservation Bibliography," published by the Department of Commerce.

The chemicals supply situation, according to the new DPA groupings, is as follows:—

Group 1

Acetylene; alkyl and aromatic substituted phenolic resins; alkyl polysulphide polymers; alphapicoline; ammonia, anhydrous; argon; betagammapicoline; bis-phenol; calcium carbide; charcoal, granular; cobalt salts and driers; copper chemicals; cyclohexanol; isonicotinic acid; lithium chemicals; lithium metal; methylene chloride; nickel chemicals; oxygen; paraphenylphenol; para-tertiary-butylphenol; pyrethrum; pyridin; selenium compounds; sulphur and urea, feed and fertilizer grades.

Group 2

Adipic acid; allethrin; butadiene; carbon disulphide; charcoal, except granular; chlorine; chrome green; chrome molybdate orange; chrome orange; chrome yellow; DDT; ethyl chloride; freon; hydrogen peroxide; iron oxide, yellow; lead chromate; methanol; monochlortrifluorethylene; nitric acid; parachlorophenol; pine oil; sodium chlorate; sodium cyanide; sodium metal; sulphadiazine; sulphathiazole; sulphuric acid; titanium pigments; zinc ammonium chloride, and zinc chloride.

Group 3

Alkyd resins; barium chemicals; benzene; benzene hexachloride; butyric acid; calcium arsenate; carbon tetrachloride; casein; cellophane; cellulose acetate; cellulose butyrate; chloroform; copper - 8 - hydroxyquinolinolate; dihydroxydichlorodiphenylmethane; diphenylamine; ethanolamines; ethyl cellulose; ethylene dichloride; ethyleneglycol; ethylene oxide; hexylresorcinol, and hydrofluoric acid and derivates.

Also Isopropyl alcohol; maleic anhydride; melamine; melamine resins; methacrylate; methyl bromide; naphthalene; naphthenic acid; nicotine sulphate; nicotinic acid; octyl, alcohol, normal; nylon, plastic type; paradichlorobenzene; paranitrophenol; perchlorethylene; phenolic resins; phosphate plasticizers; phthalic anhydride; polyethylene; polyethylene resins; polyester resins: polystyrene; polytetrafluorethylene; polyvinyl acetate; polyvinyl alcohol; polyvinyl butyral; polyvinyl chloride; polyvinylidene chloride and copolymer resins, resorcinol resins; rotenone; sebacic acid (refined); toluene; trichloroethylene; urea resins and xylene.

Oil Cartel Arrangement

—Continued from page 3

Specific price fixing practices were also leveled against the concerns.

1928 with a simple proposal to stabilize the world market by controlling output and exports. Out of this, the report said, there was created in 1934 an international accord which contemplated detailed restriction of production, division of markets, price fixing, restriction on the number and kind of distribution outlets, and the elimination of competitive expenditures for marketing facilities and sales promotion in local markets. While it was admitted that Jersey Standard had announced its withdrawal from the 1934 pact in 1938, the report charged that American companies continued to cooperate with British and Dutch interests during and after World War II.

Officials of the cited concerns have been subpoenaed to appear at a grand jury investigation in Washington, beginning September 23. Purpose of the inquiry is to determine whether the alleged practices of the companies violate the antitrust laws.

All five American firms vehemently denied the FTC charges, as did spokesmen for Anglo-Iran and Royal Dutch-Shell interts. The Socony-Vacuum statement, which appeared to sum up the industry view, termed the report "part of a deliberate program to make this and other oil companies engaged in international trade 'whipping boys' during an election campaign."

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Drum Reconditioners Ask

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quires that a shipper of used empty drums certify to the railroad carrier that the immediate preceding transportation of the filled drums was by railroad freight service. The industry contends that a used drum dealer or a reconditioner of used drums is unable to make such a certification and therefore, is being discriminated against by having to pay the higher freight rate applied to new drums when shipping used drums without the required certification.

In its application to the ICC the industry has asked that the classification be changed so that no such certification will be required from shippers who are dealers in used empty drums or reconditioners of used empty drums.

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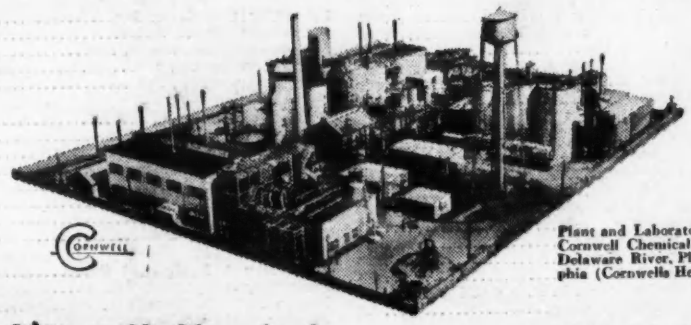

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